

Figure 1

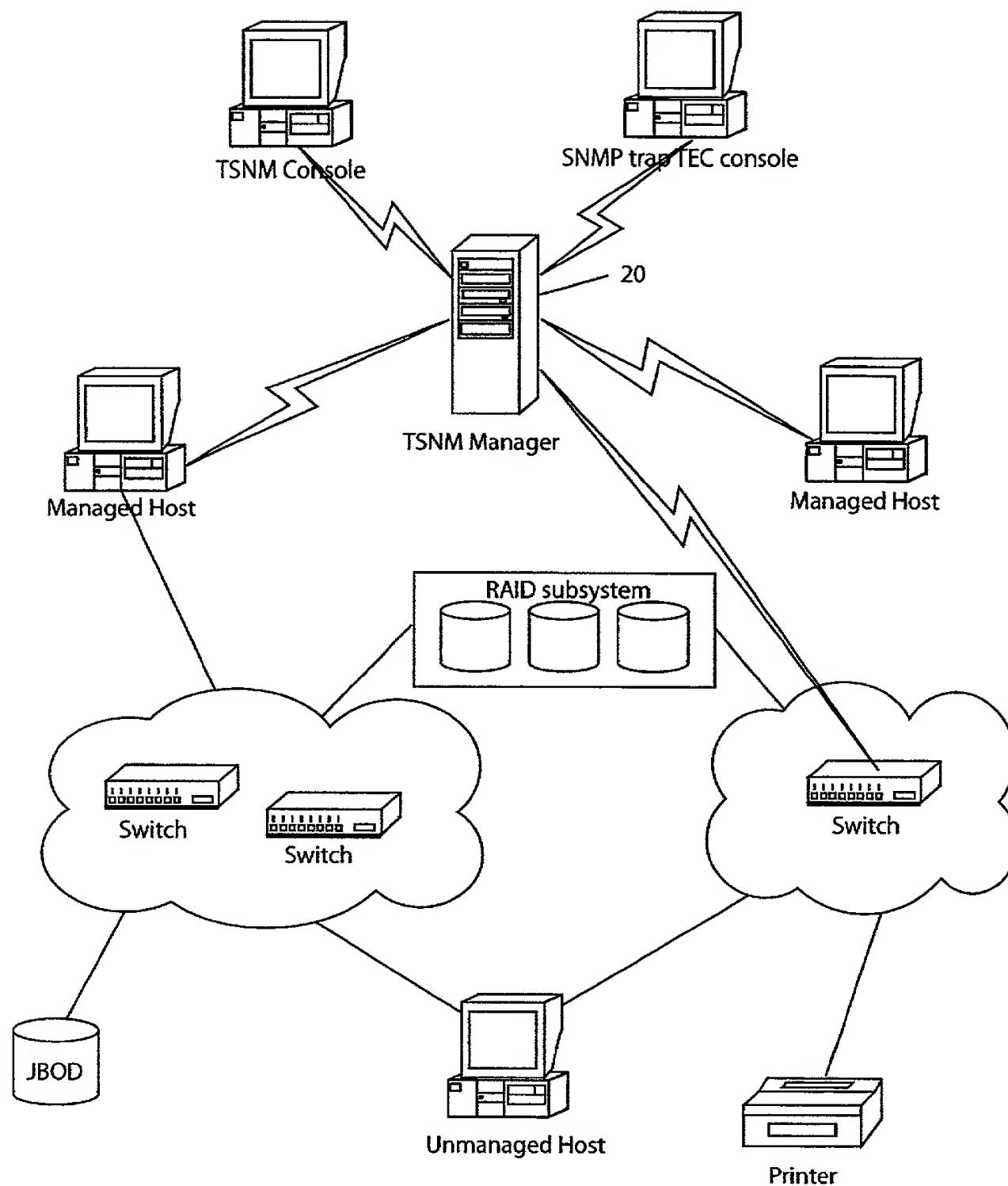


Figure 2

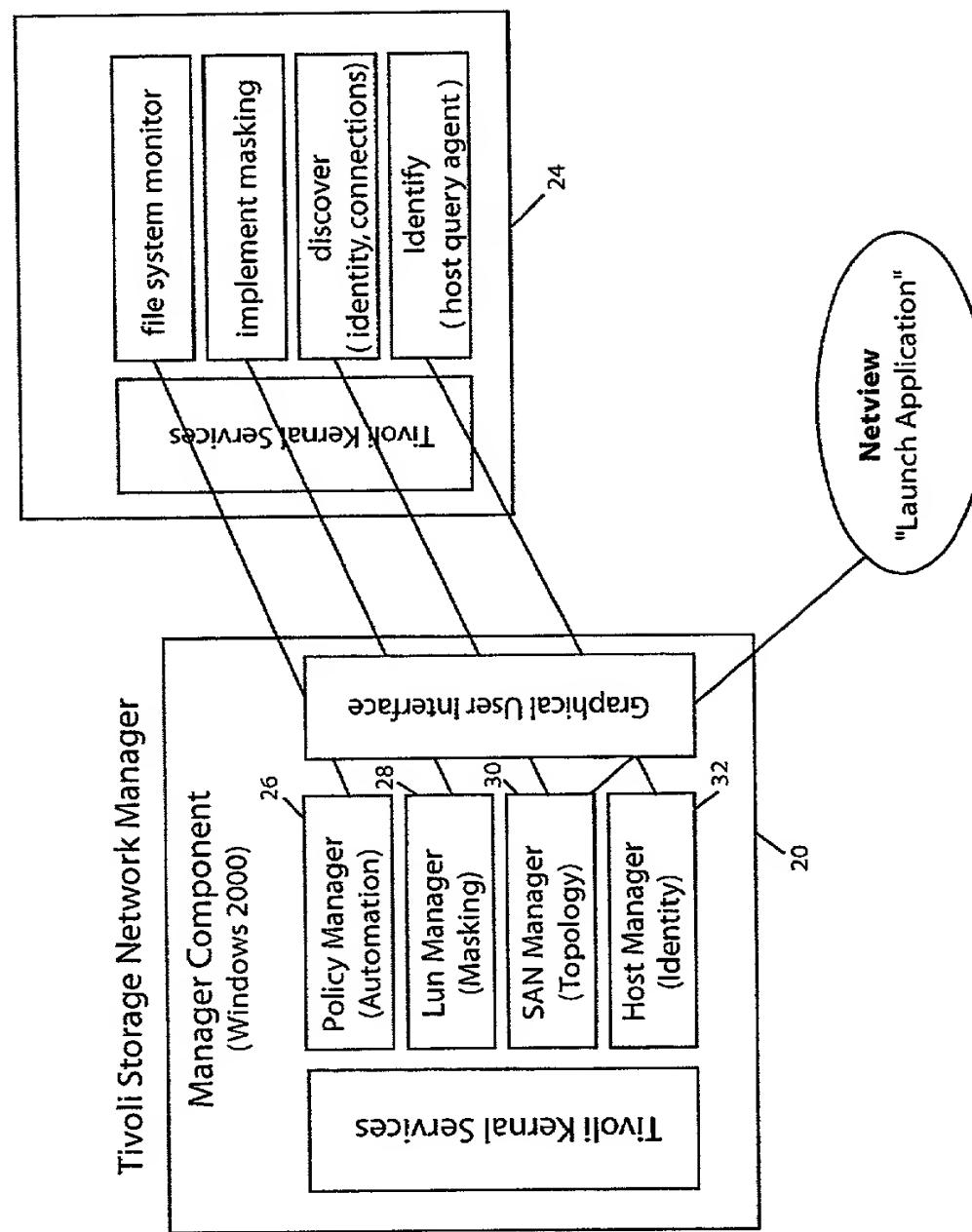


Figure 3

Manager & Agent communication

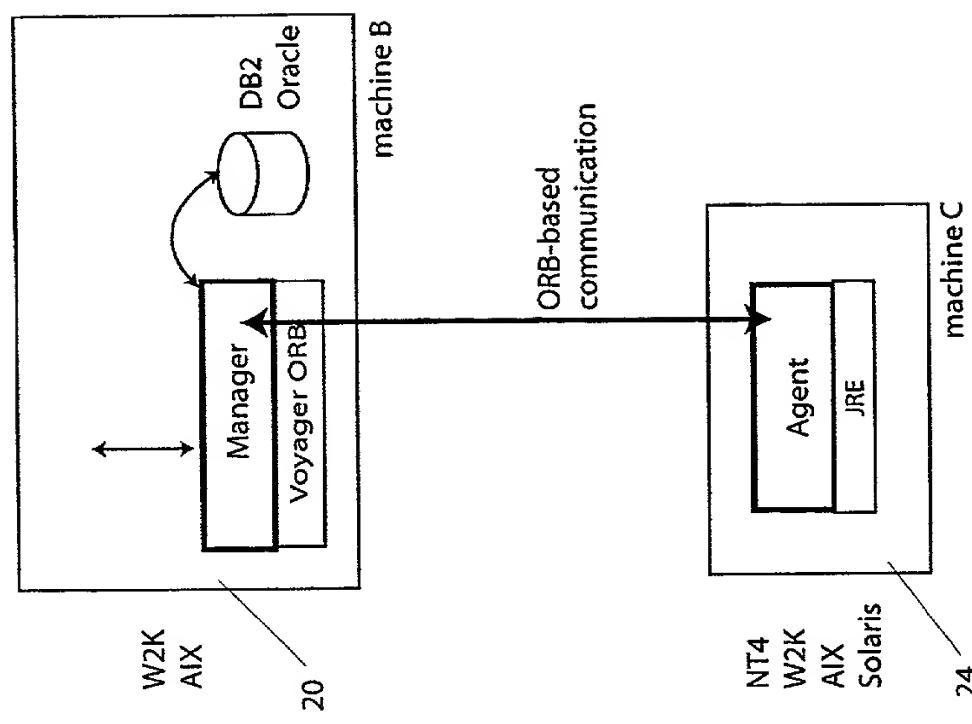


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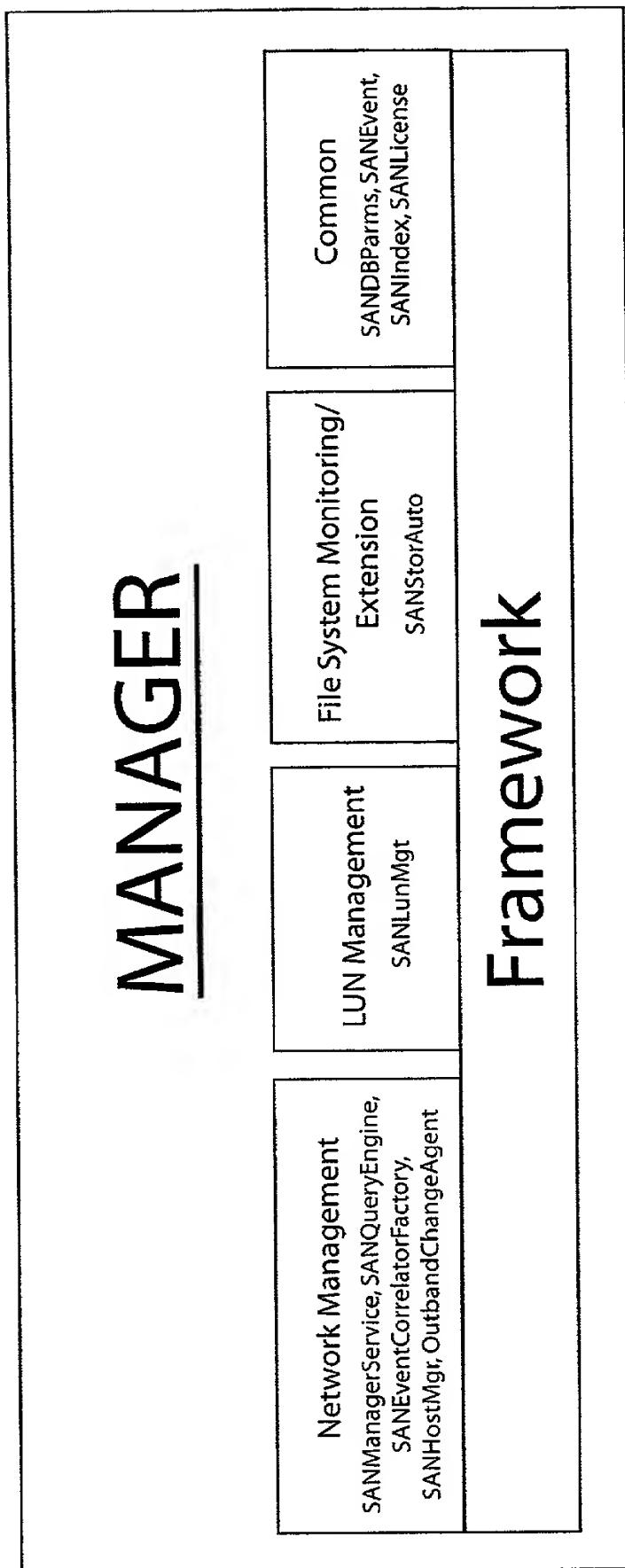


Figure 5

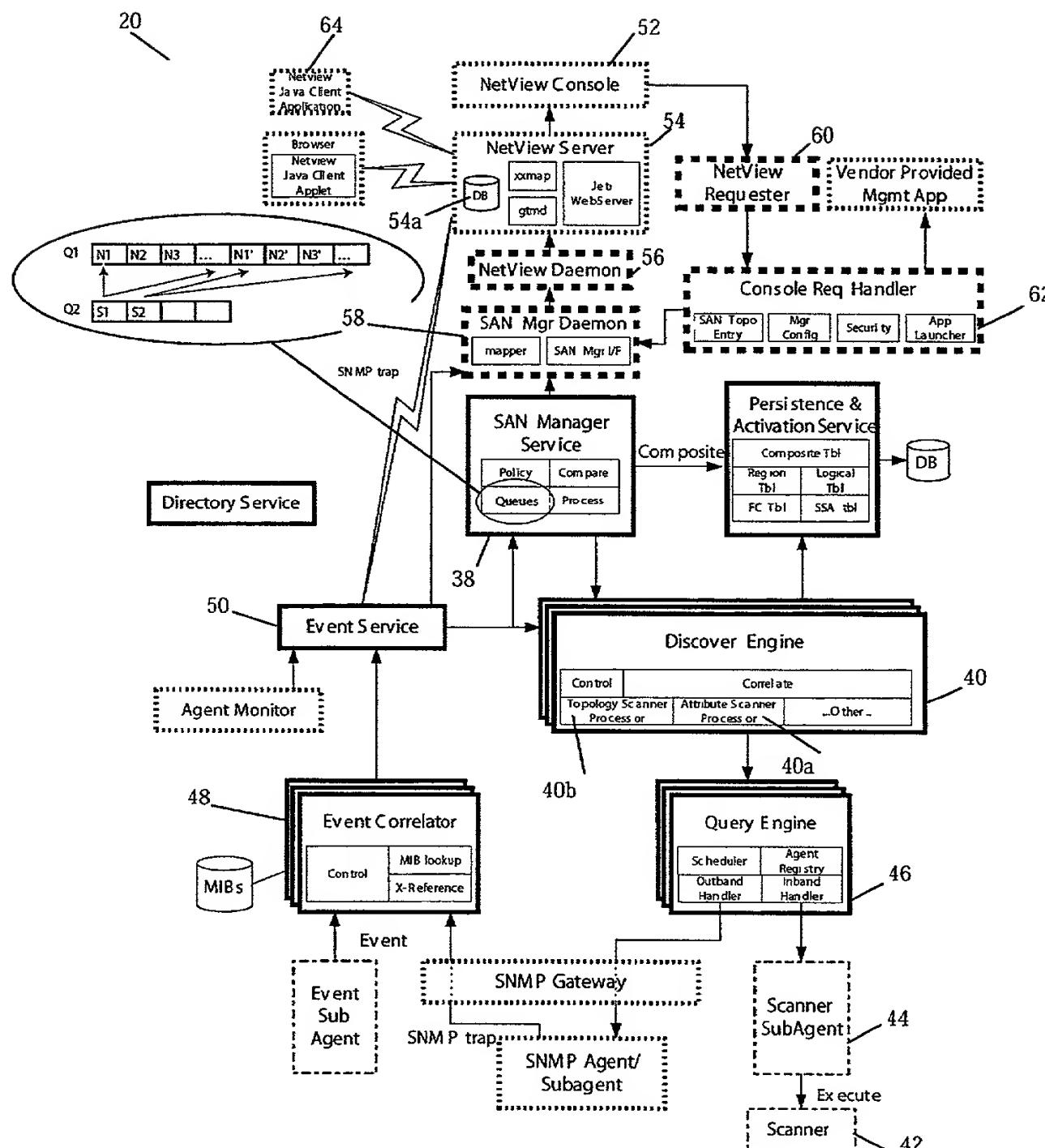


Figure 6

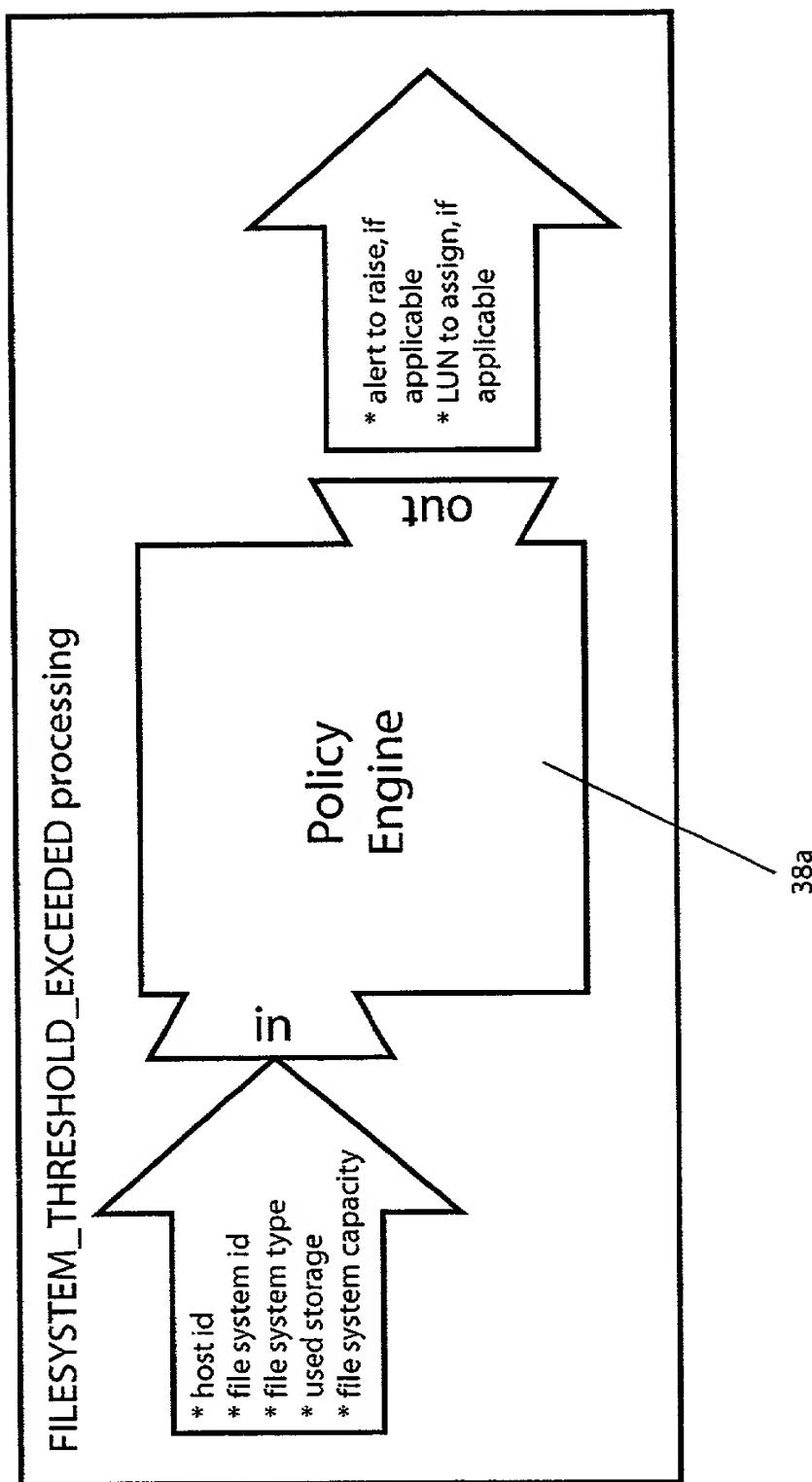


Figure 7A

38a

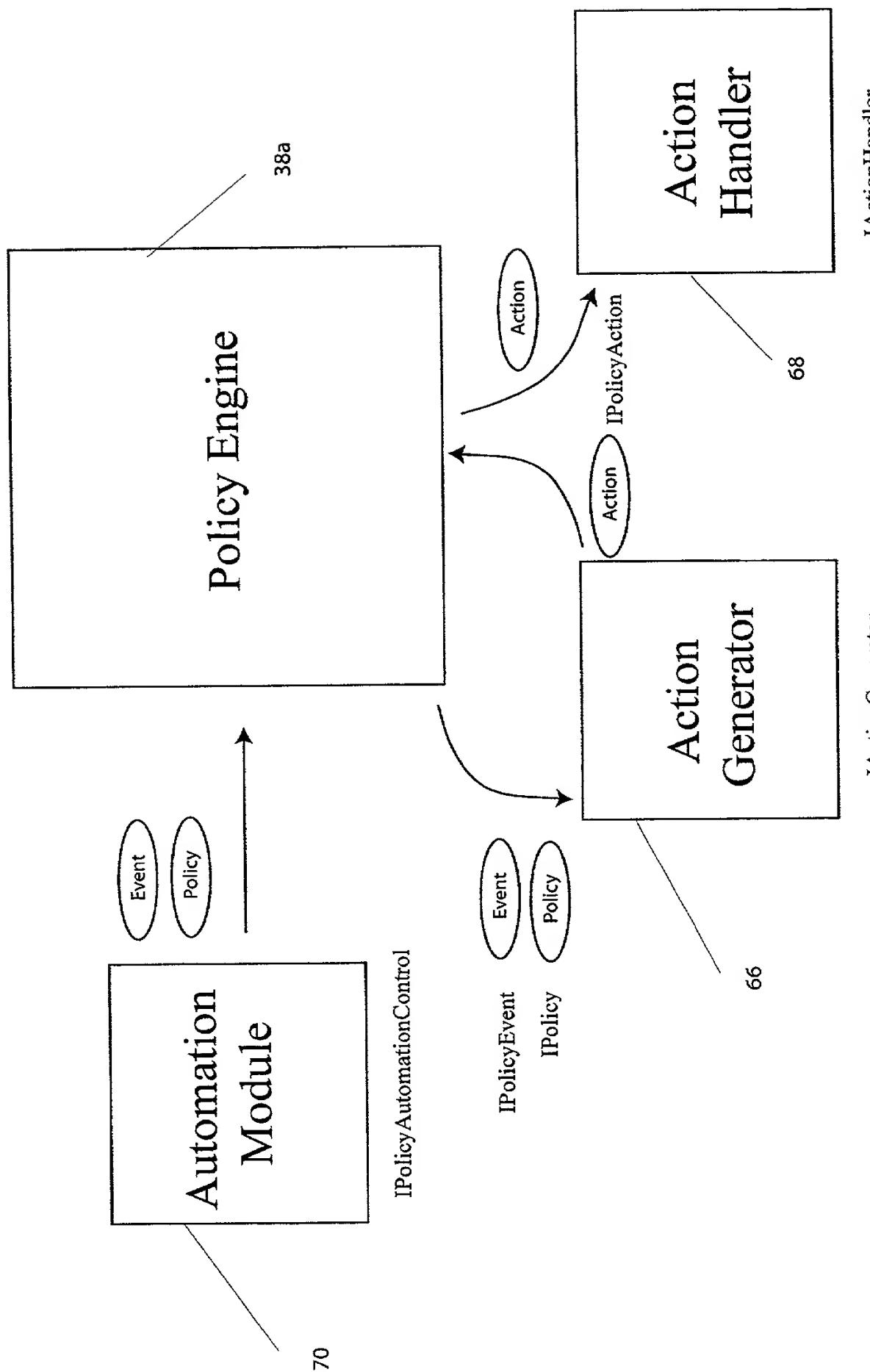


Figure 7B

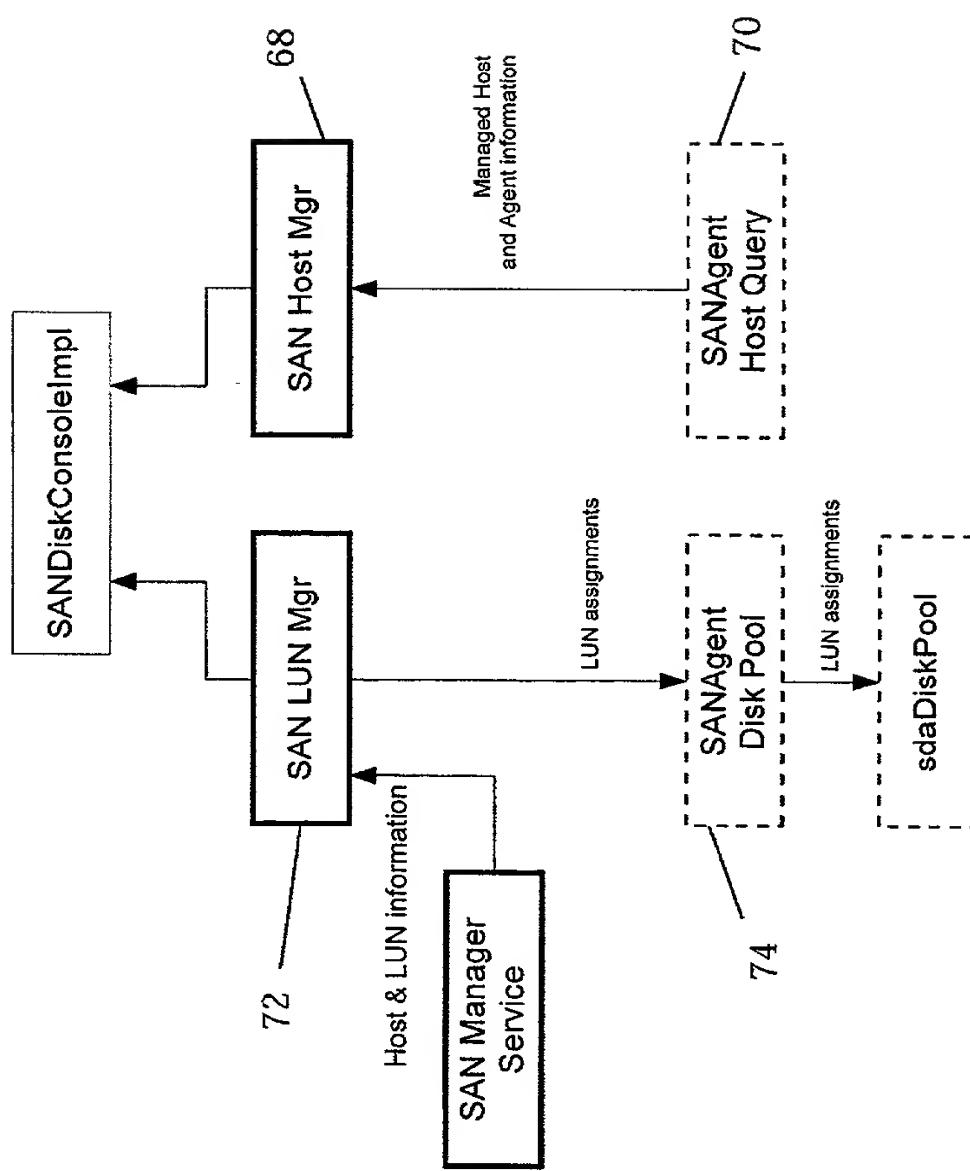


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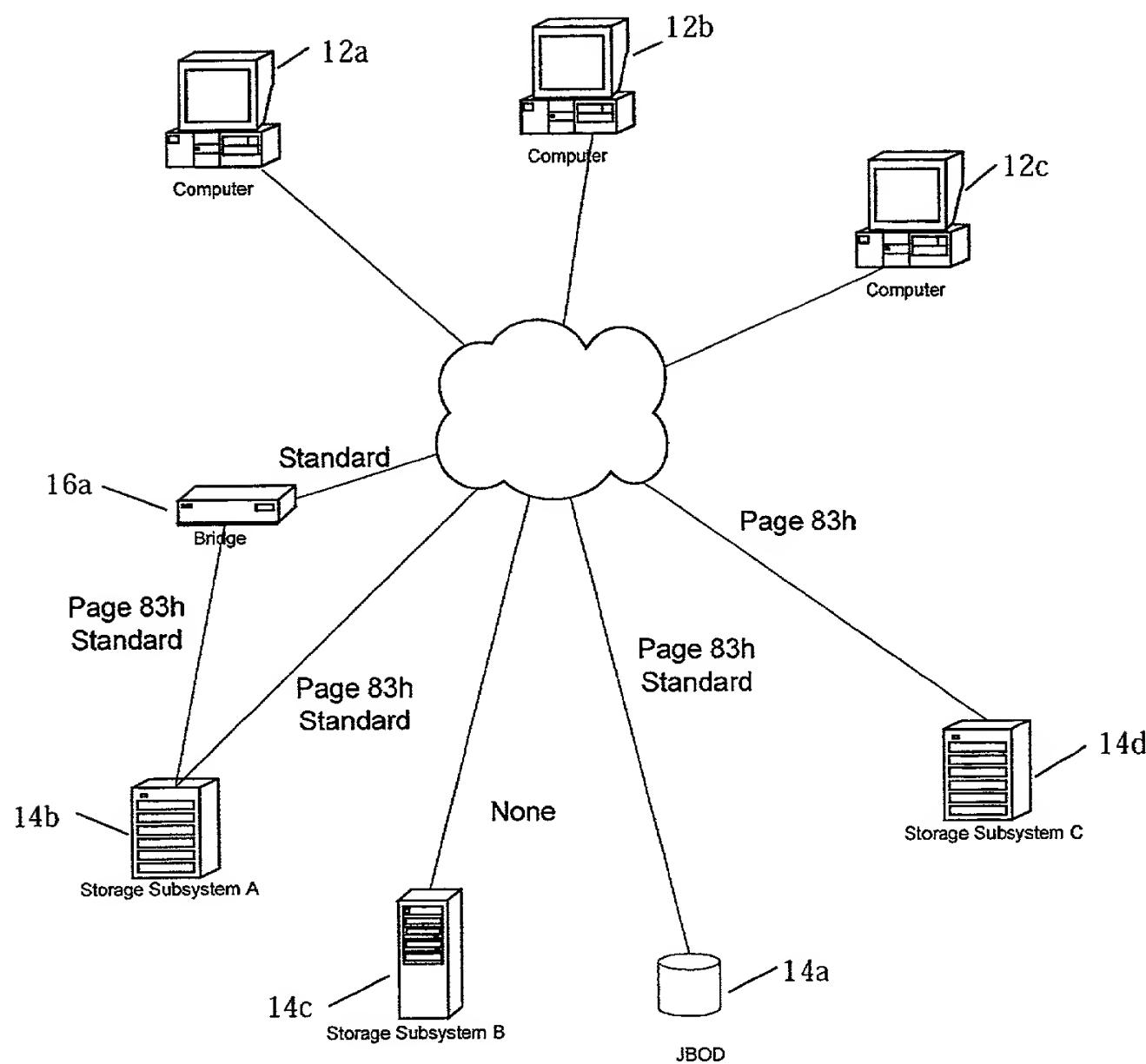
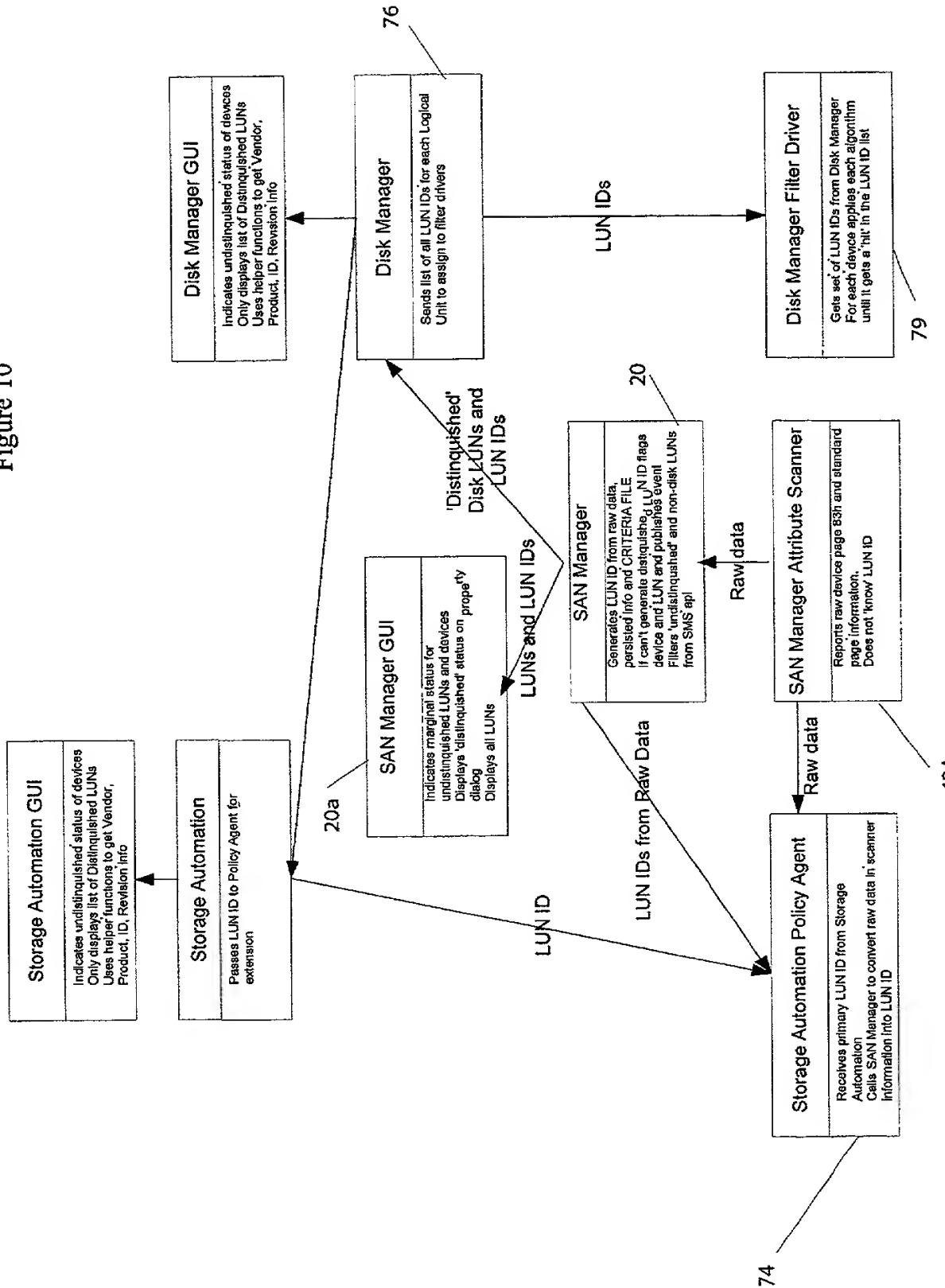


Figure 9

Figure 10



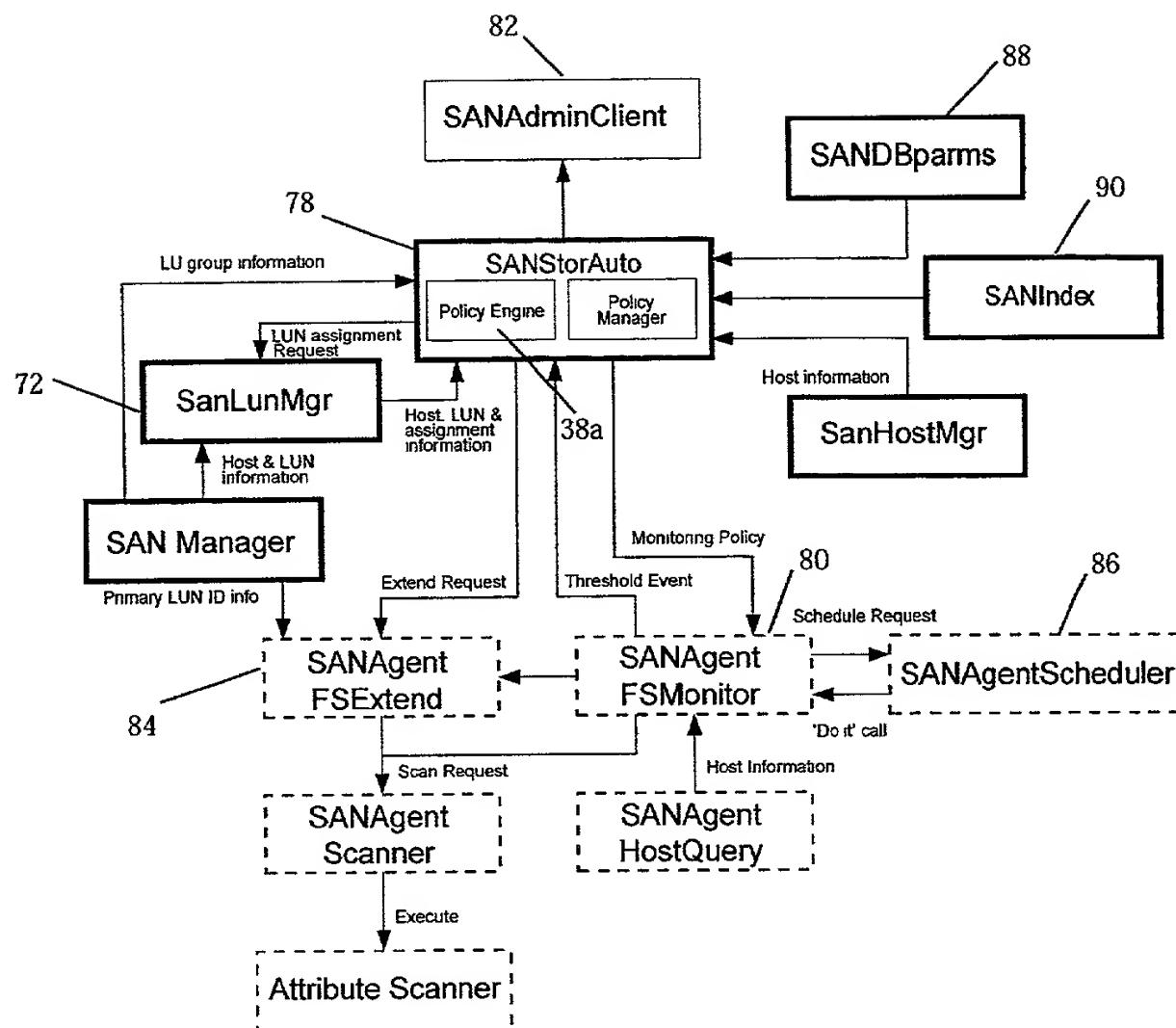


Figure 11

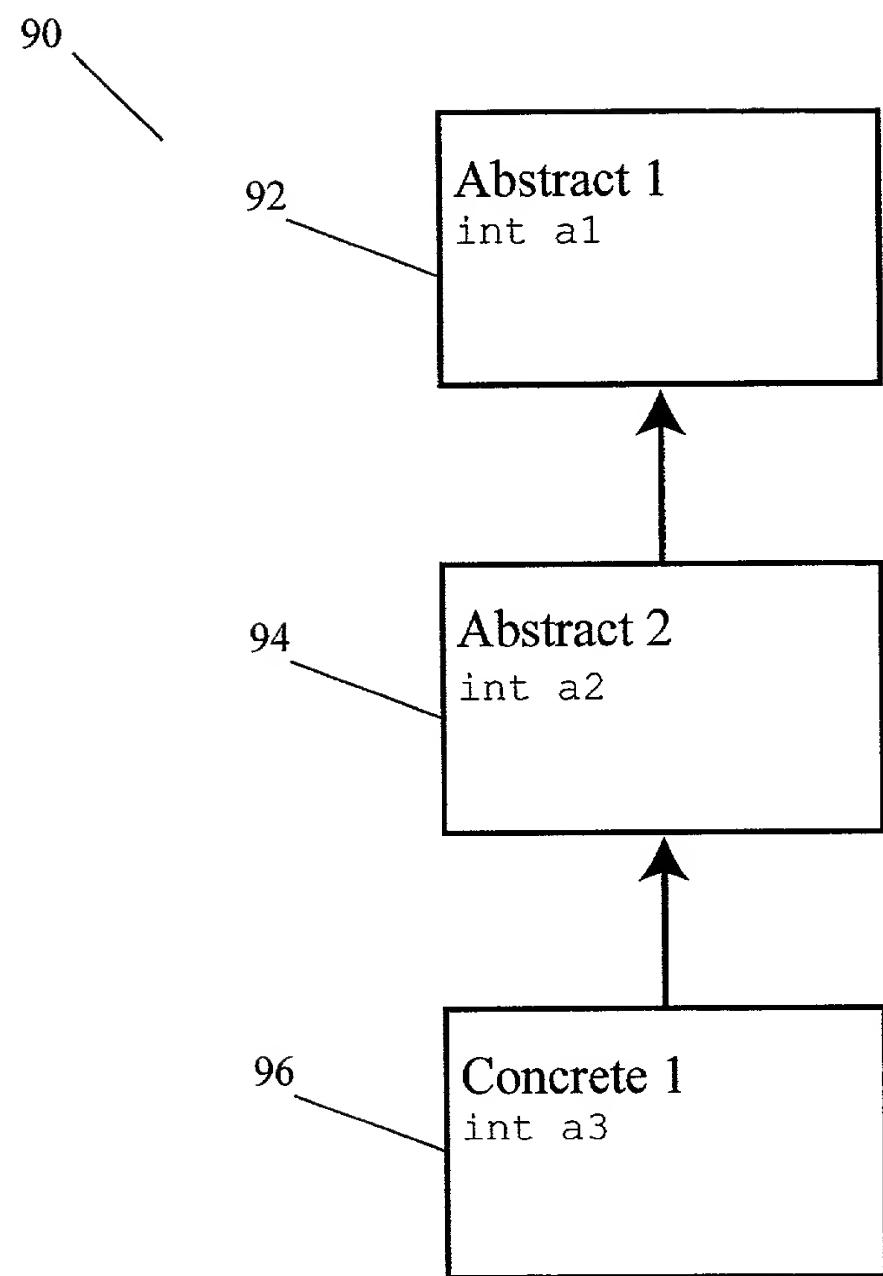


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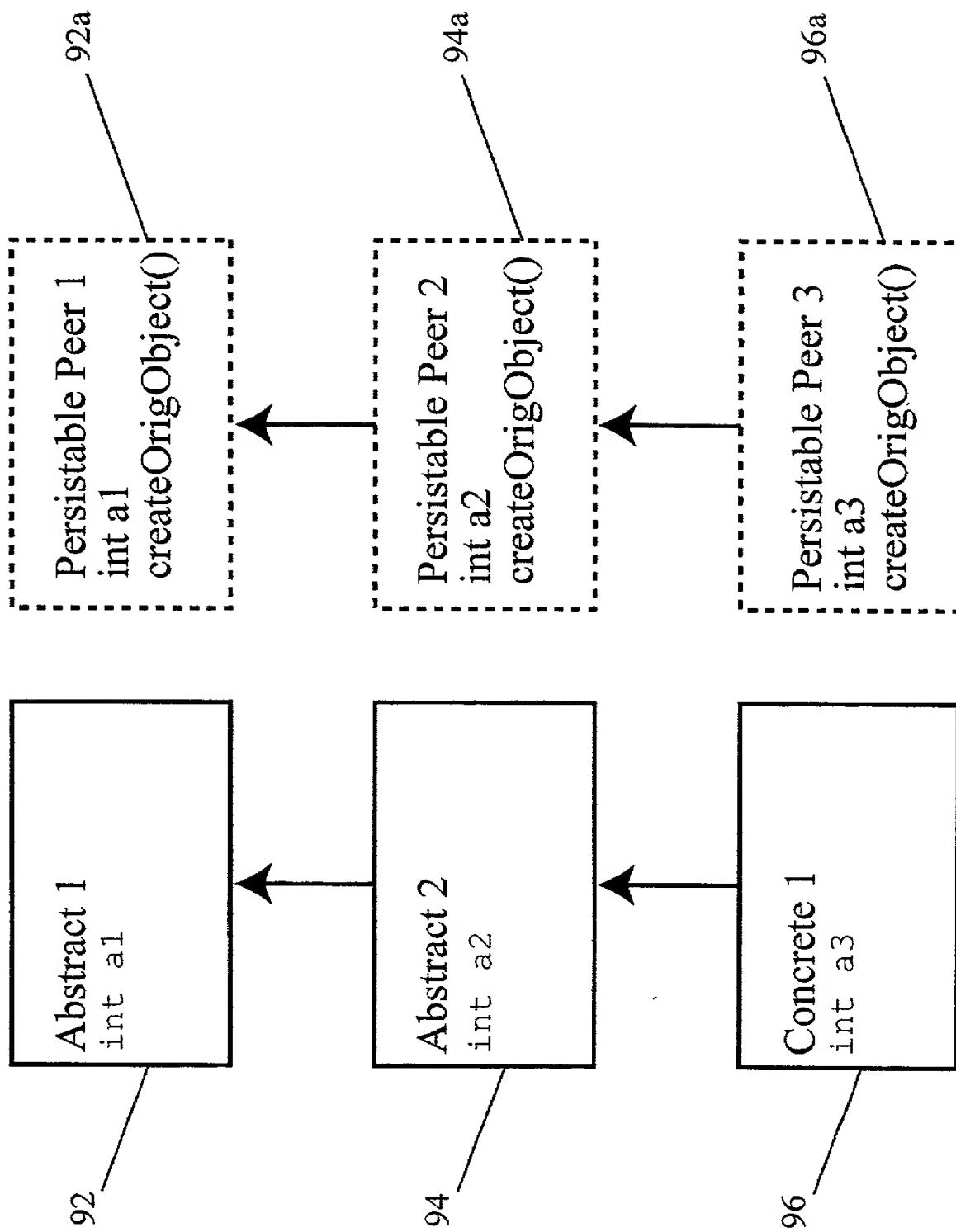


Figure 13

Figure 14a

Figure 14b

Figure 14c

Figure 14d

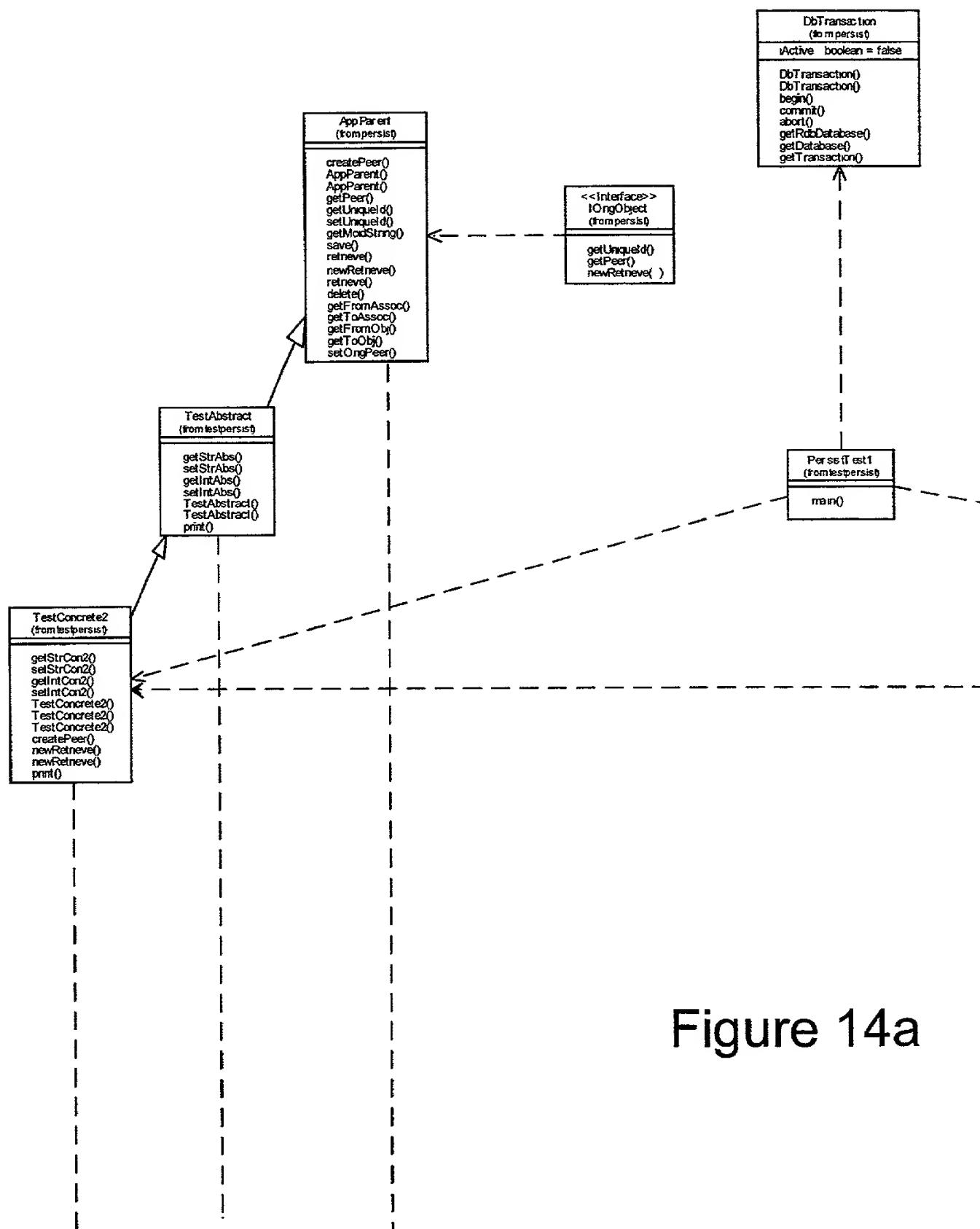


Figure 14a

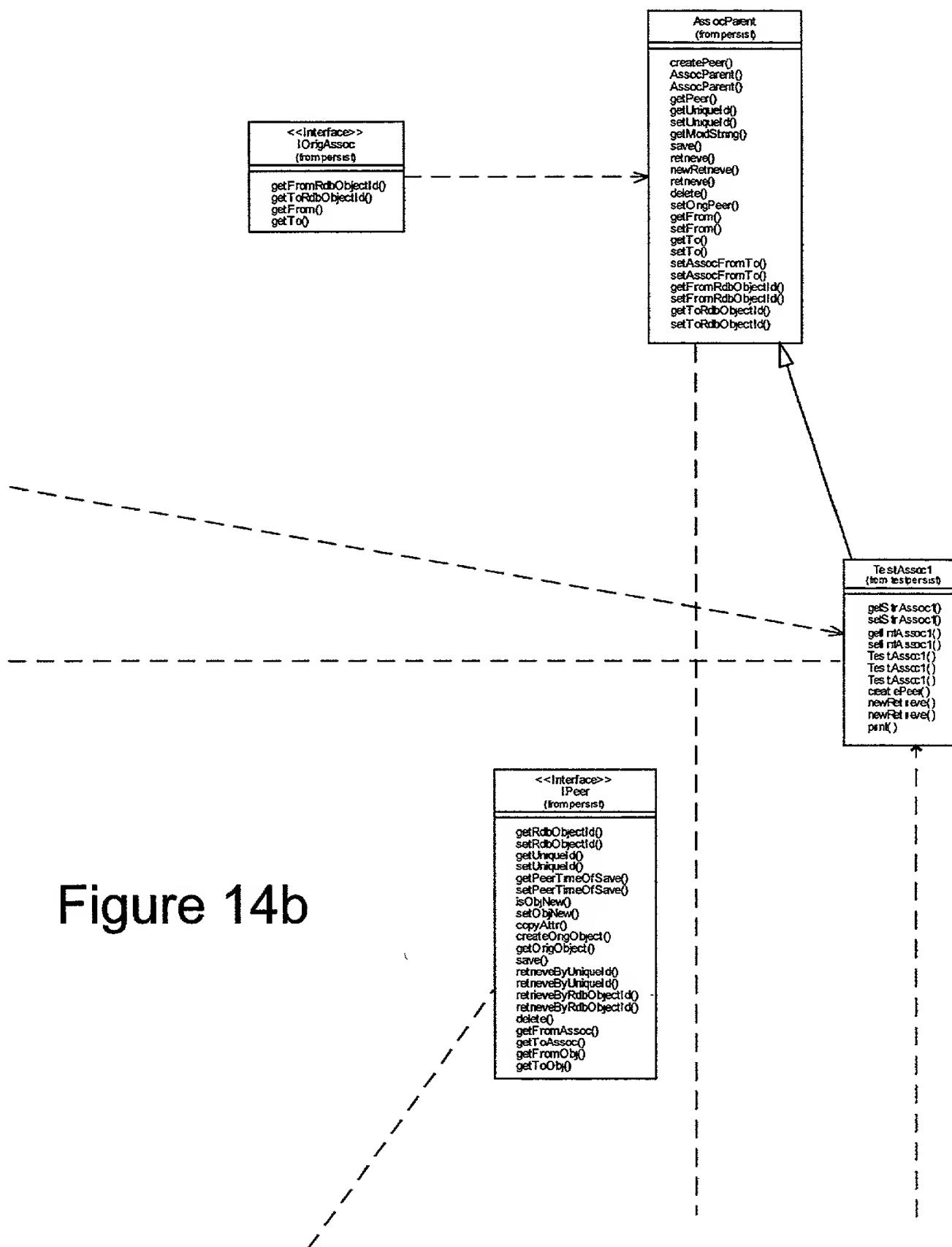


Figure 14b

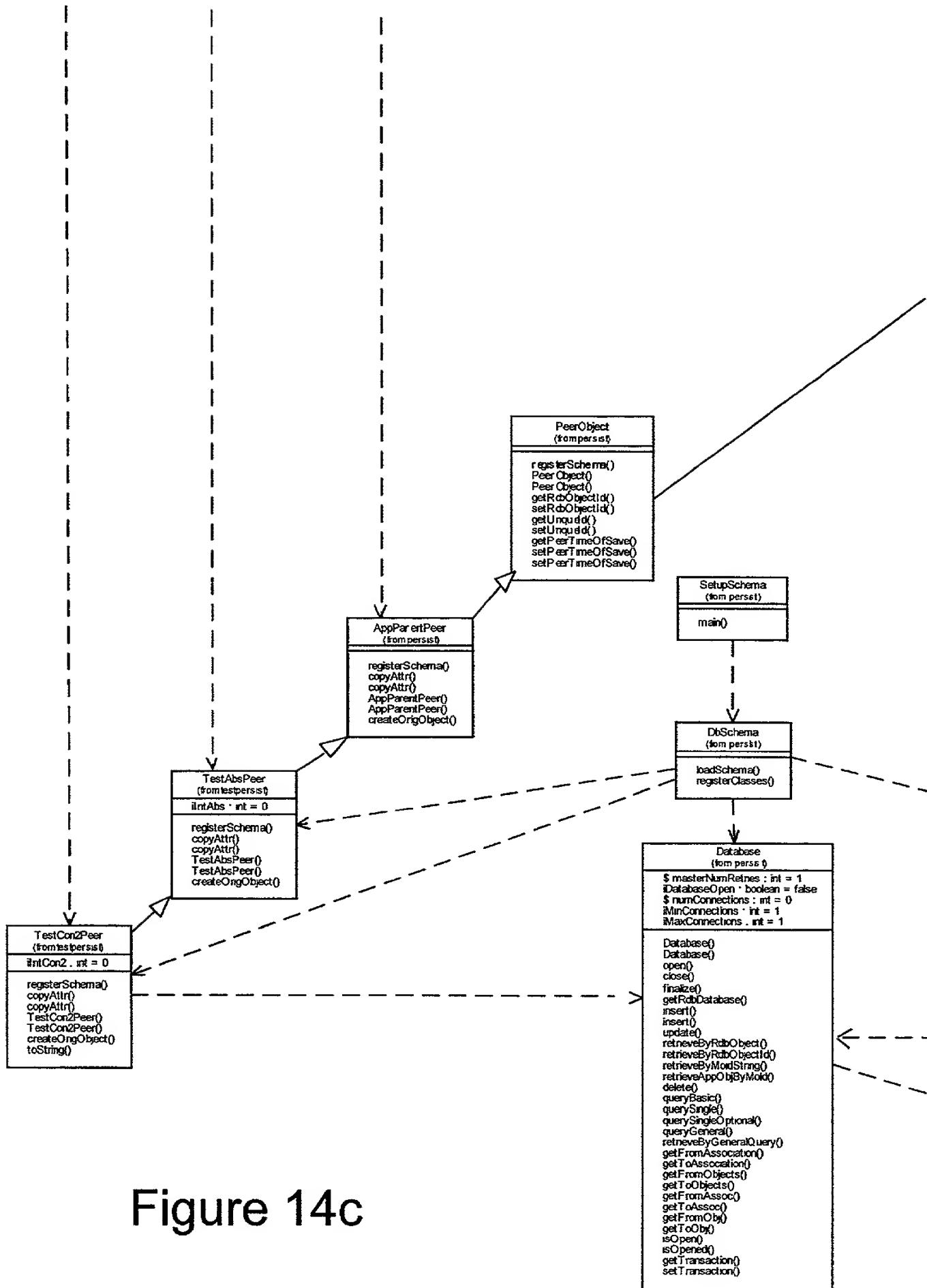


Figure 14c

IBM DOCKET NO. SJ09-2001-0093

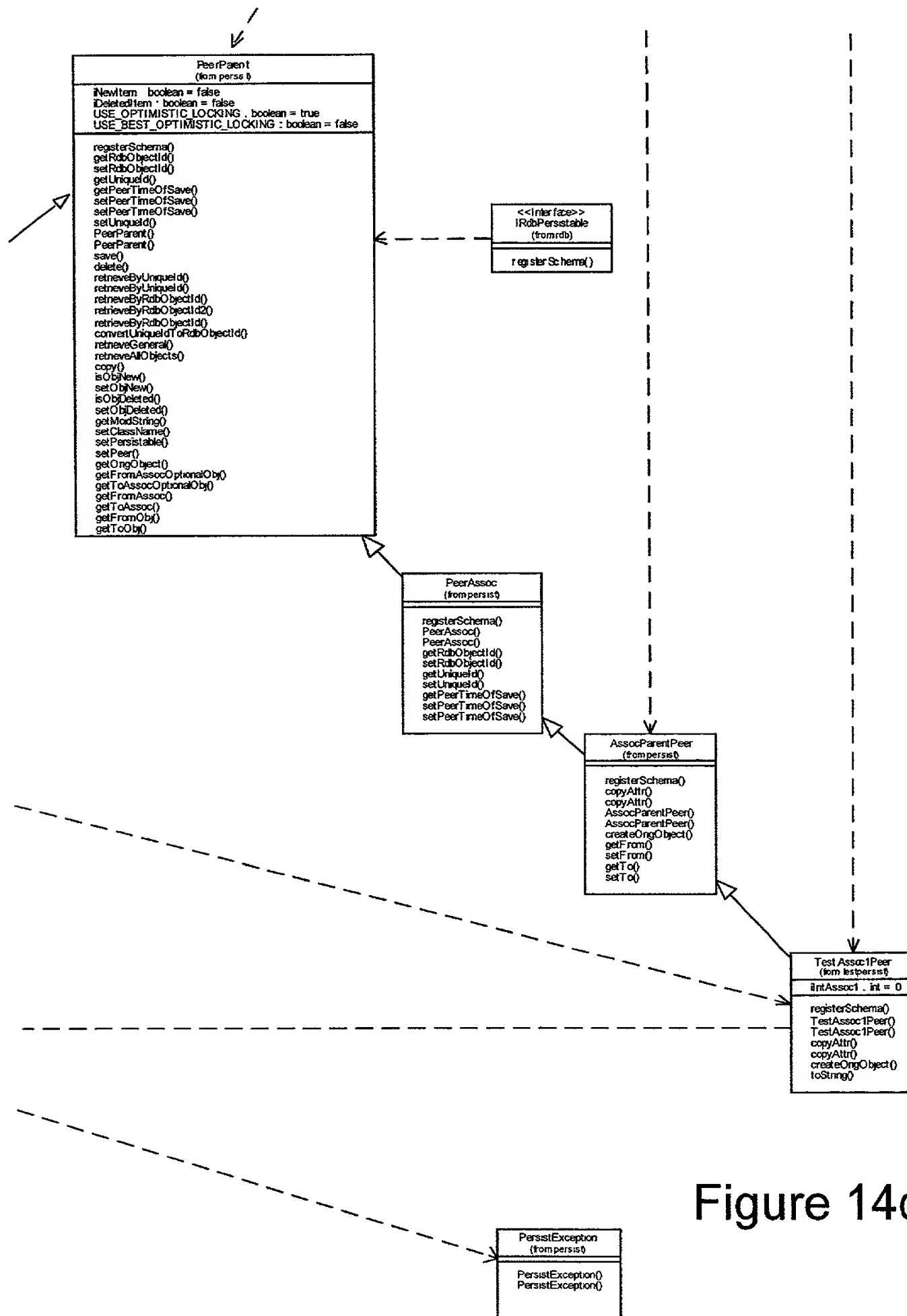
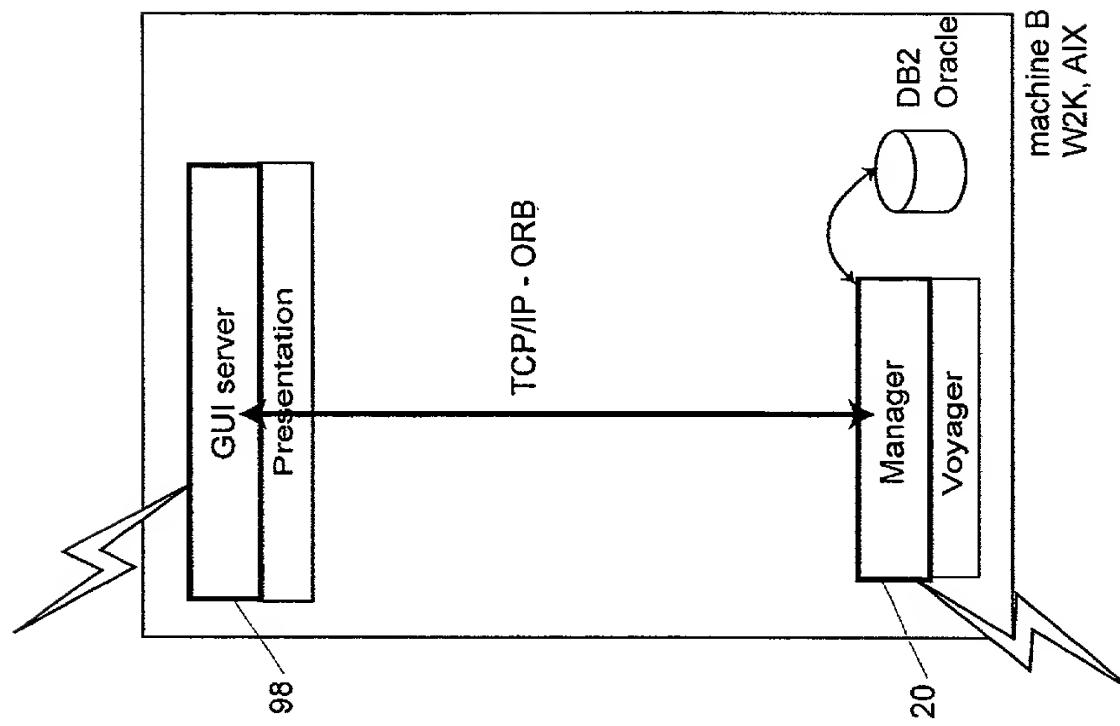


Figure 14d

GUI (server) & Manager communication



- ▲ Manager creates objects (services) and "bind" them to Voyager directory service
- ▲ GUI "looks up" the object by name in directory service and get the object "proxy"
- ▲ GUI invokes object methods to obtain info or perform operation

```
Example: Class TDMServer()
          LUN[ ] getAccessibleLunsByHost(HostaHost)
          LUN[ ] getAllAccessibleLuns()
          LUN[ ] getAllAssignedLunsByHost(HostaHost)
          LUN[ ] getAssignedLunsByHost(java.lang.String ip)

// Look up the ITdm Server proxy object from the directory service
ITdmServerITdm = (ITdm Server) Namespace.lookup(
"/localhost:9000/sandir/TdmServer");
// Get a list of all LUN objects in the region.
LUN[ ] temp1 = aTdm.getAllAccessibleLuns();
```

Figure 15

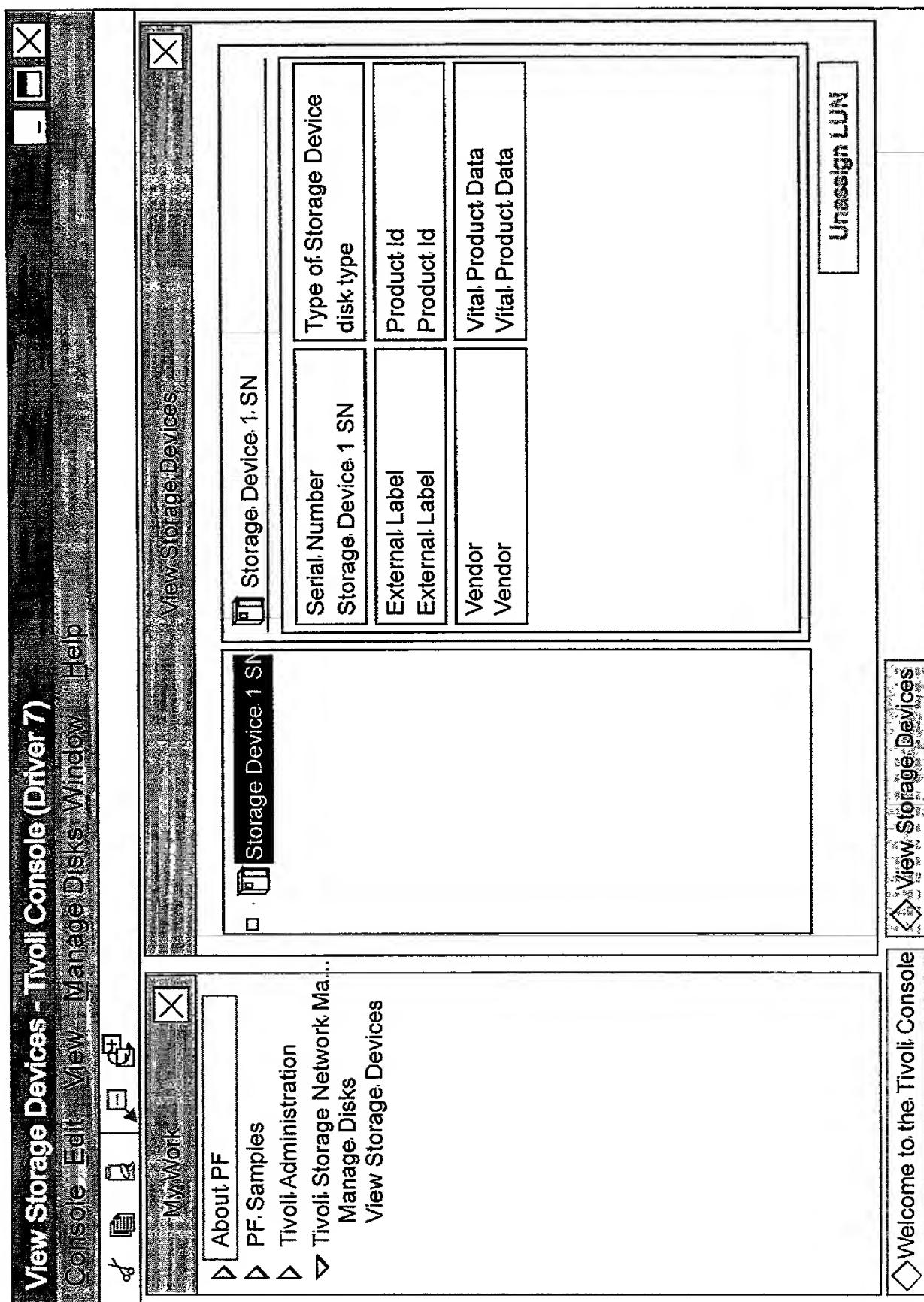


Figure 16

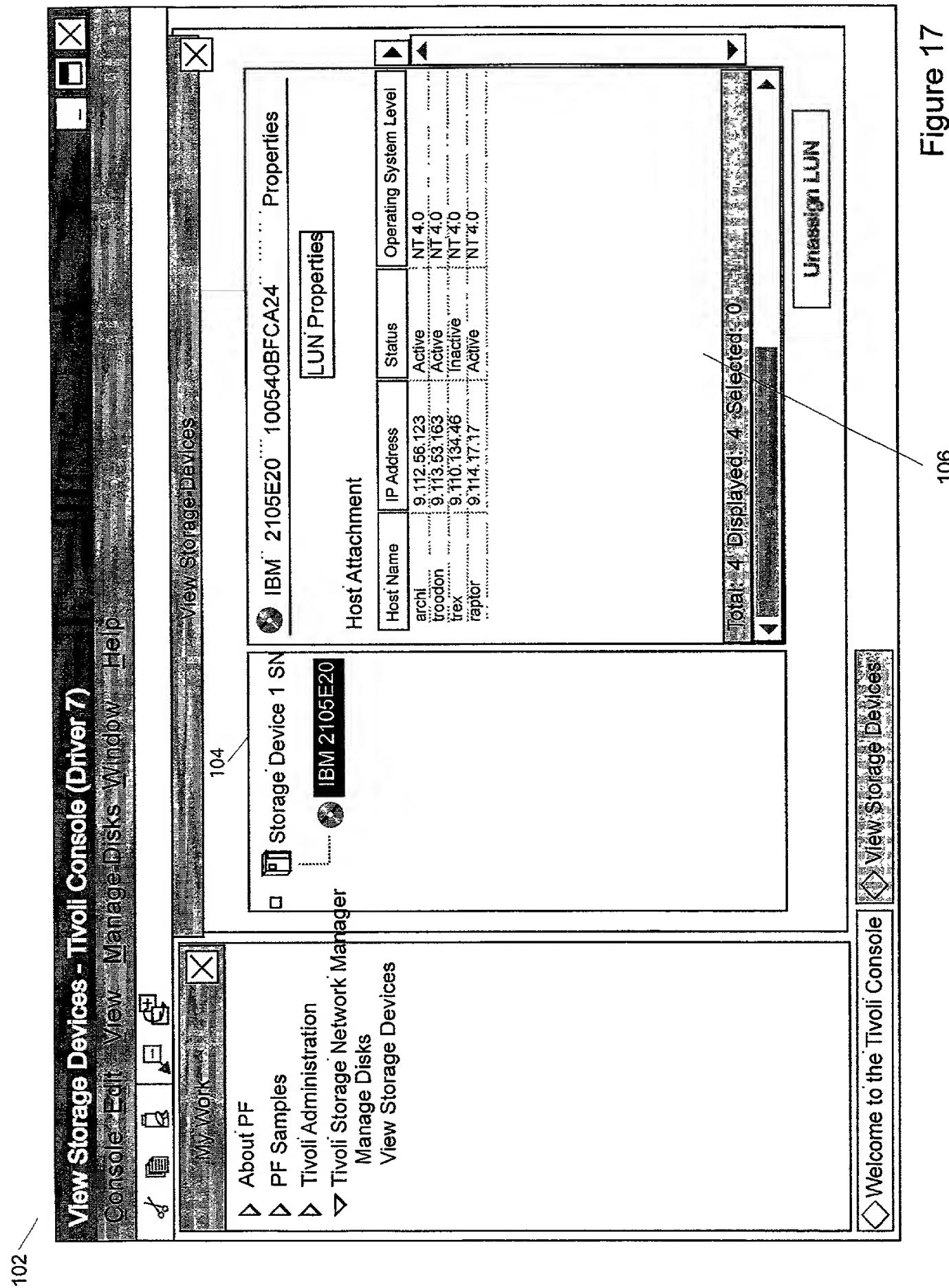


Figure 17

106

102

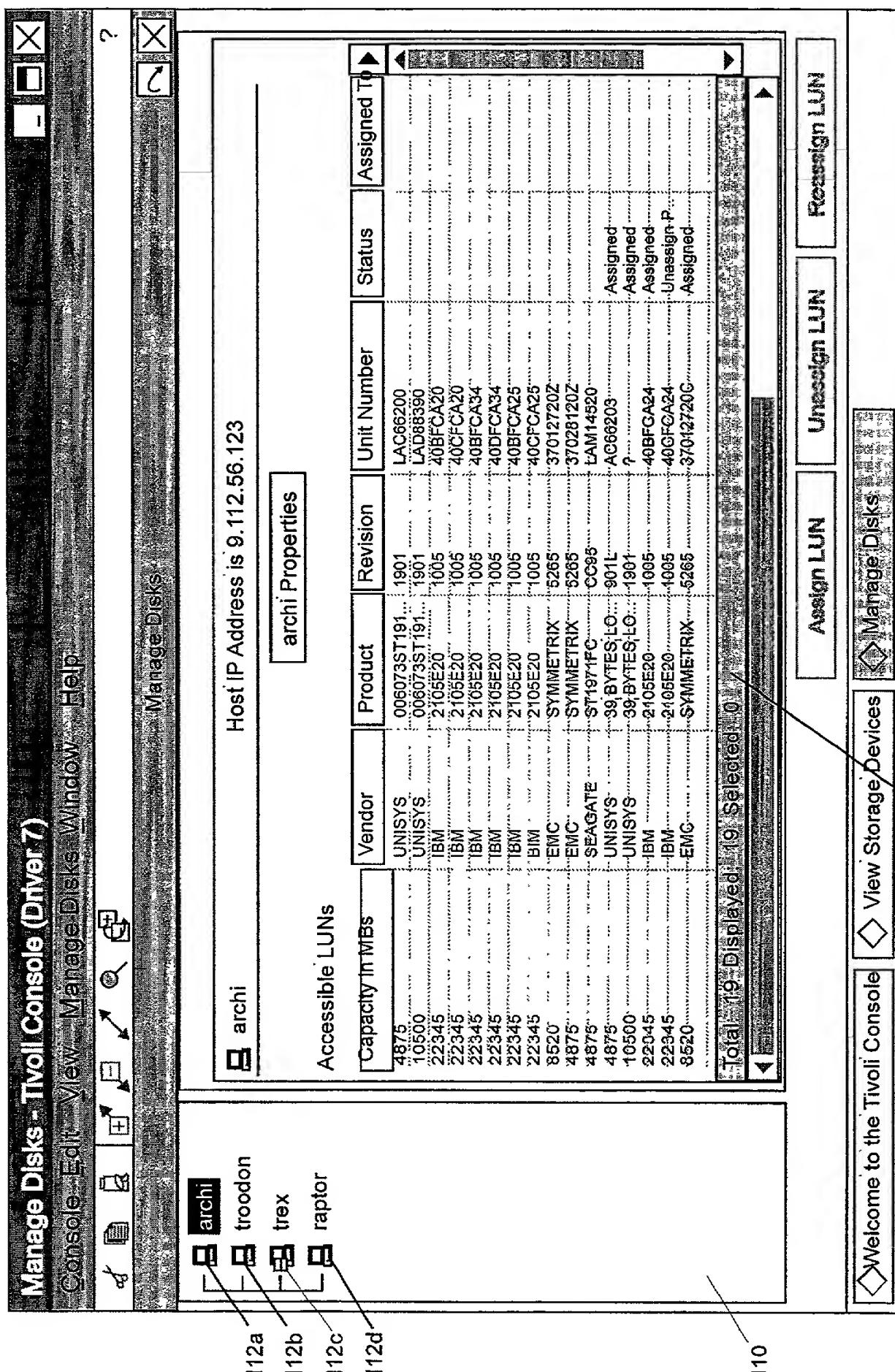


Figure 18

110

114

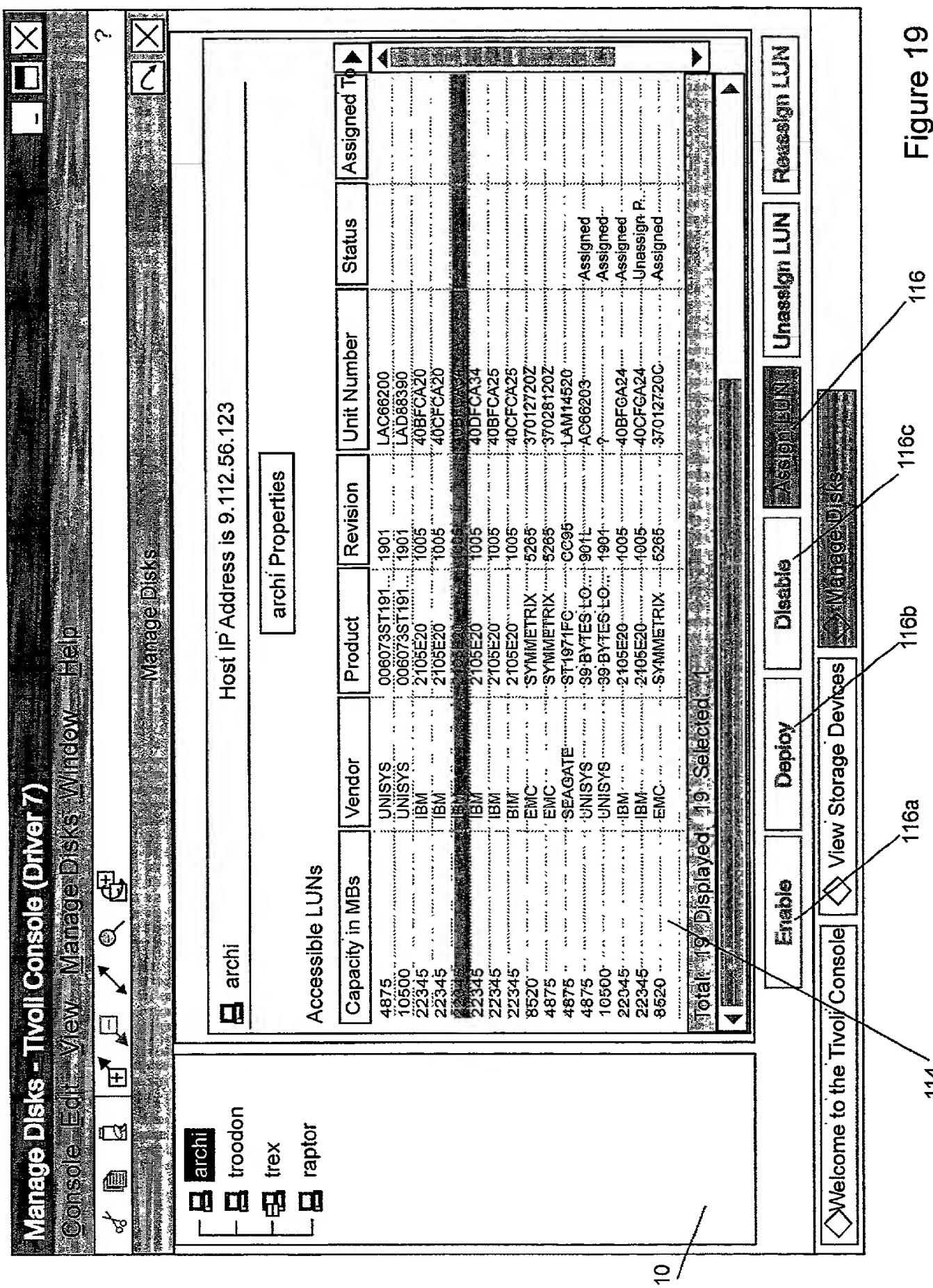


Figure 19

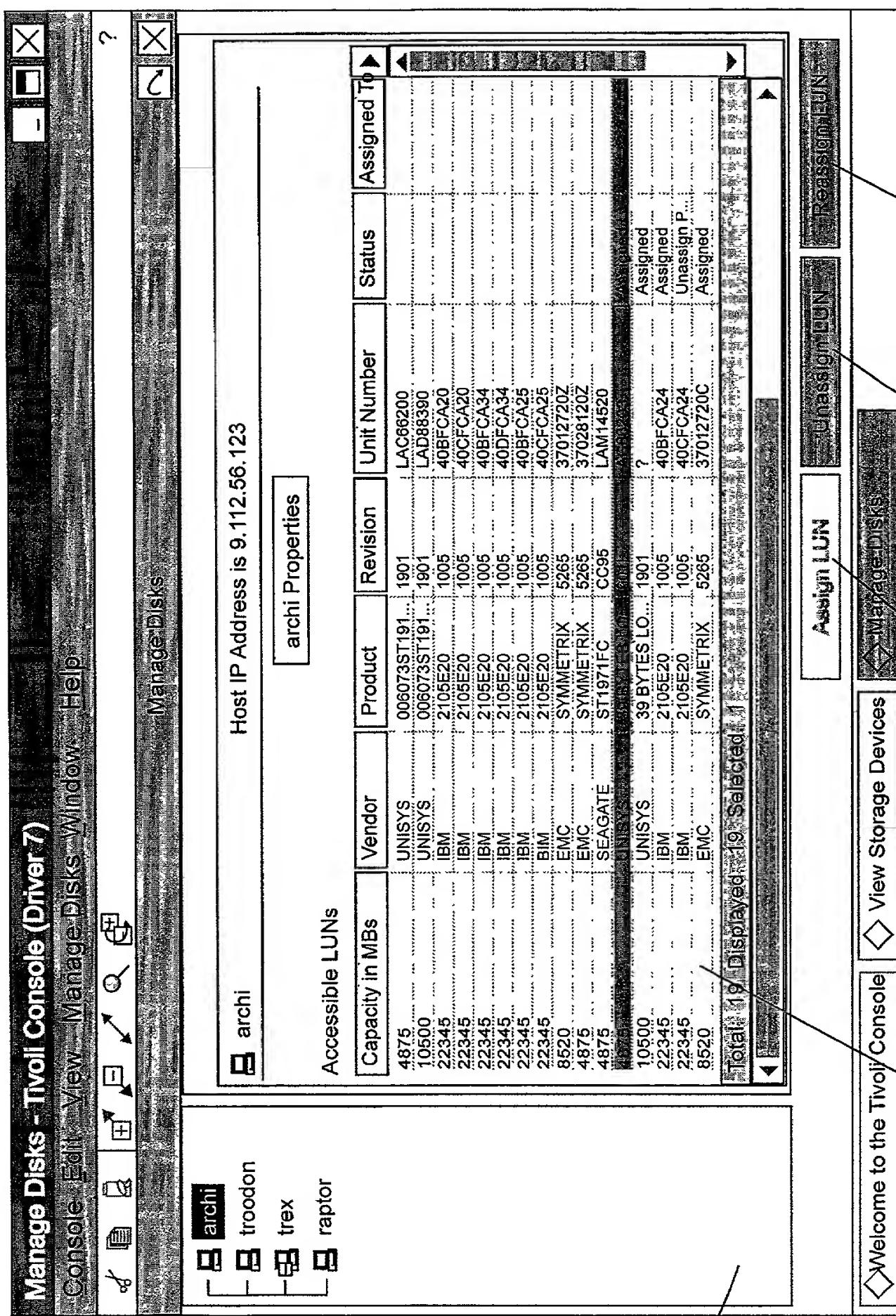
116

116c

116a

116b

110



120 Figure 20

118 116 114

Clearing the Filter

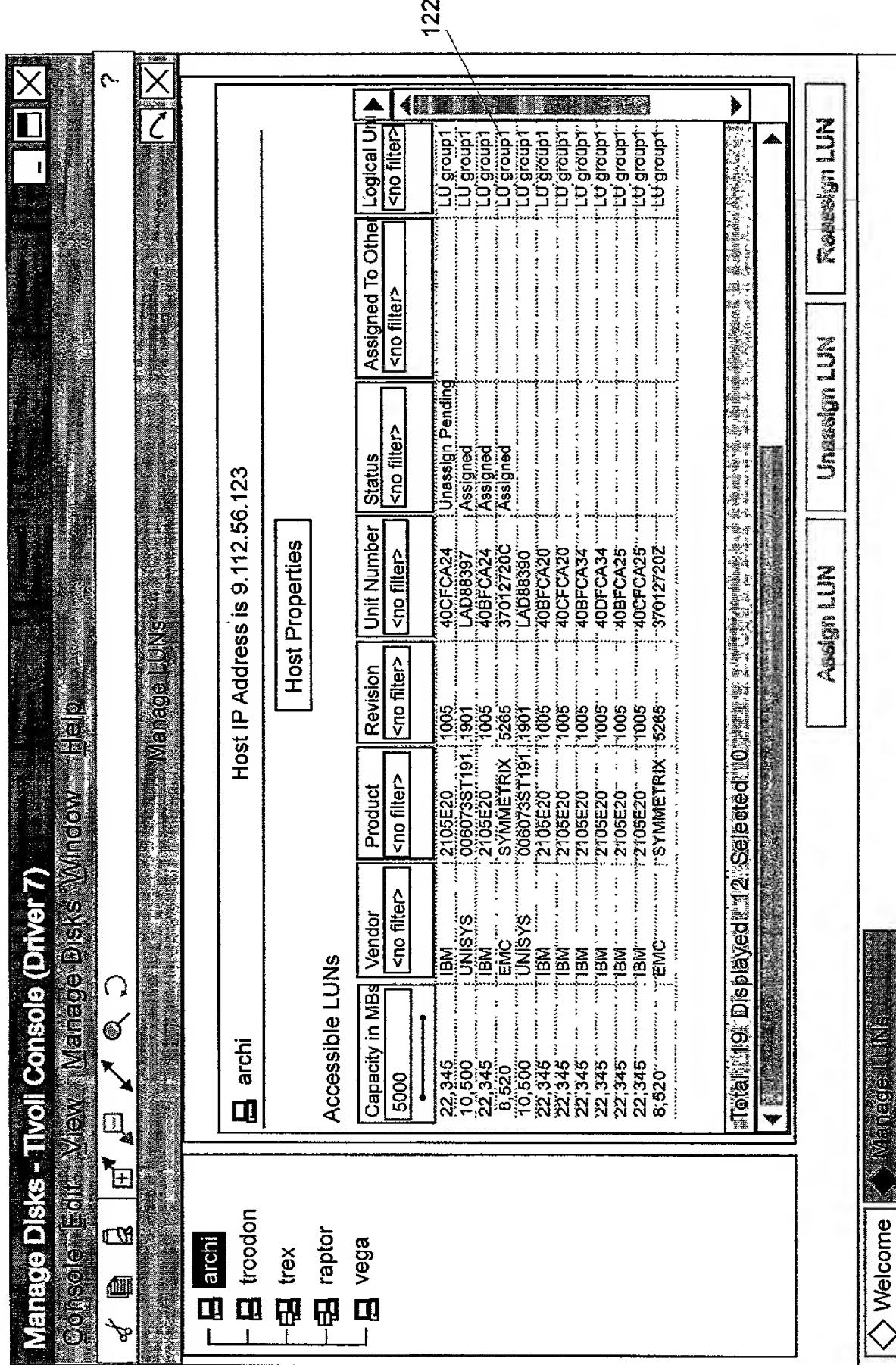


Figure 21

Custom Filtering

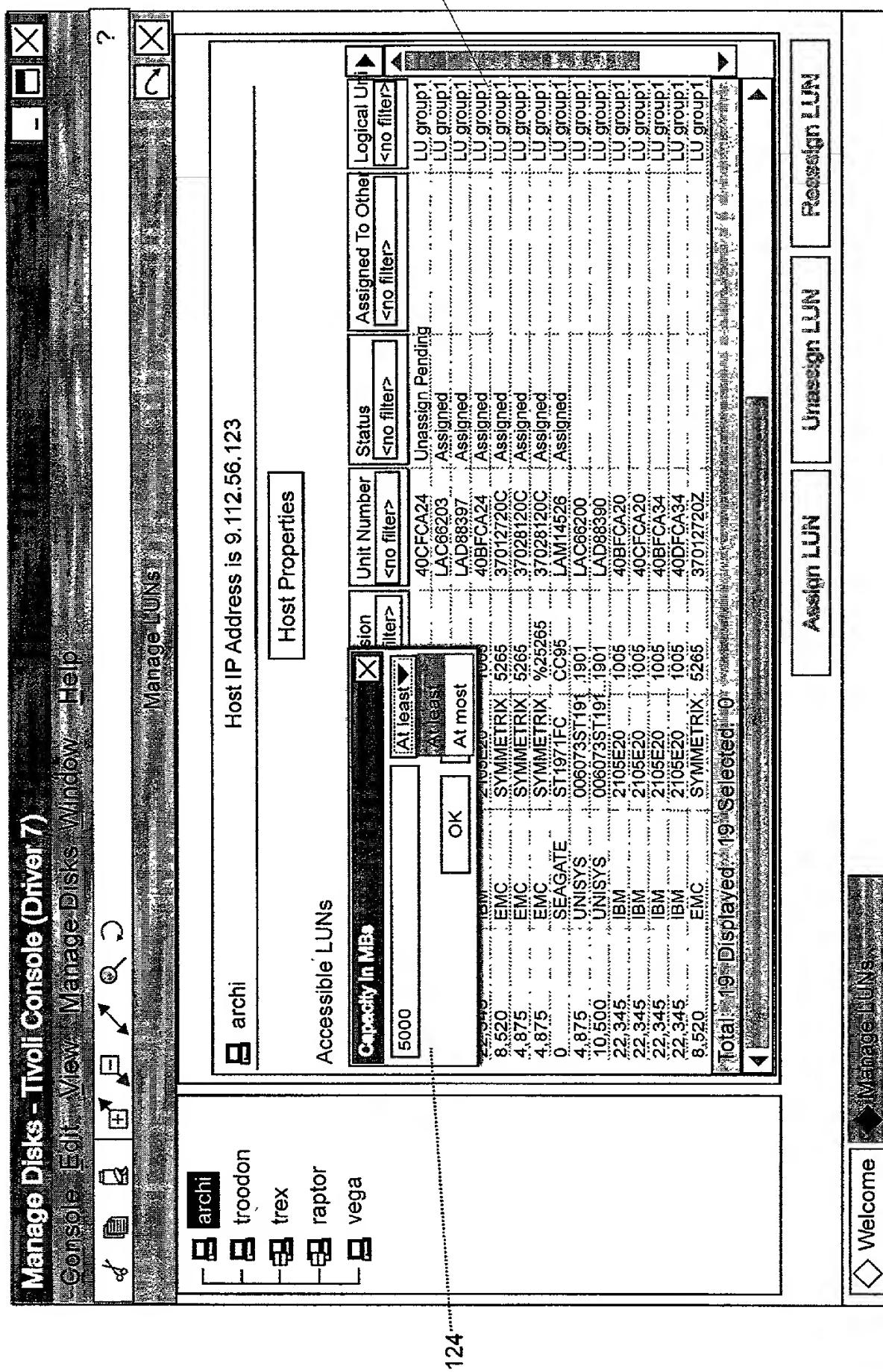


Figure 22

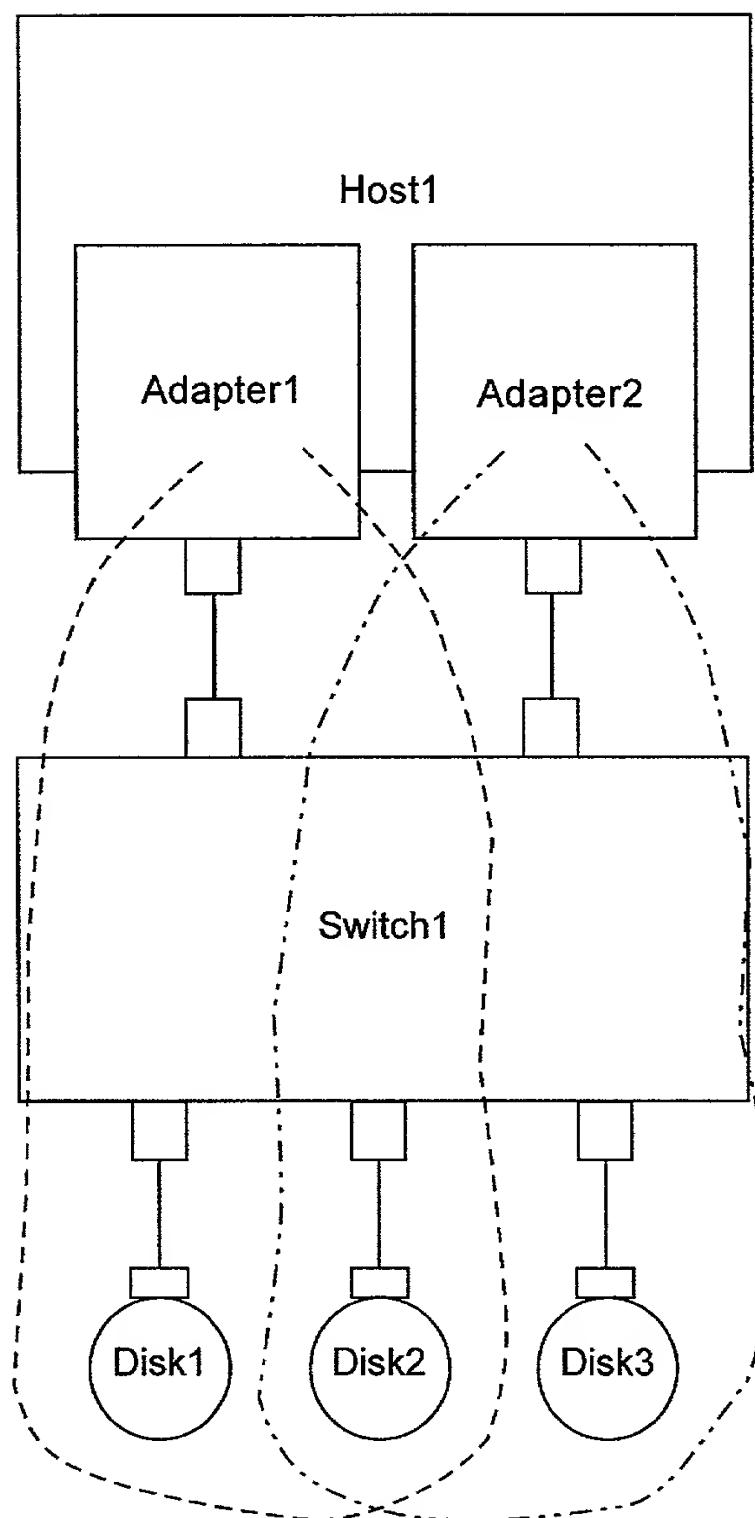


Figure 23

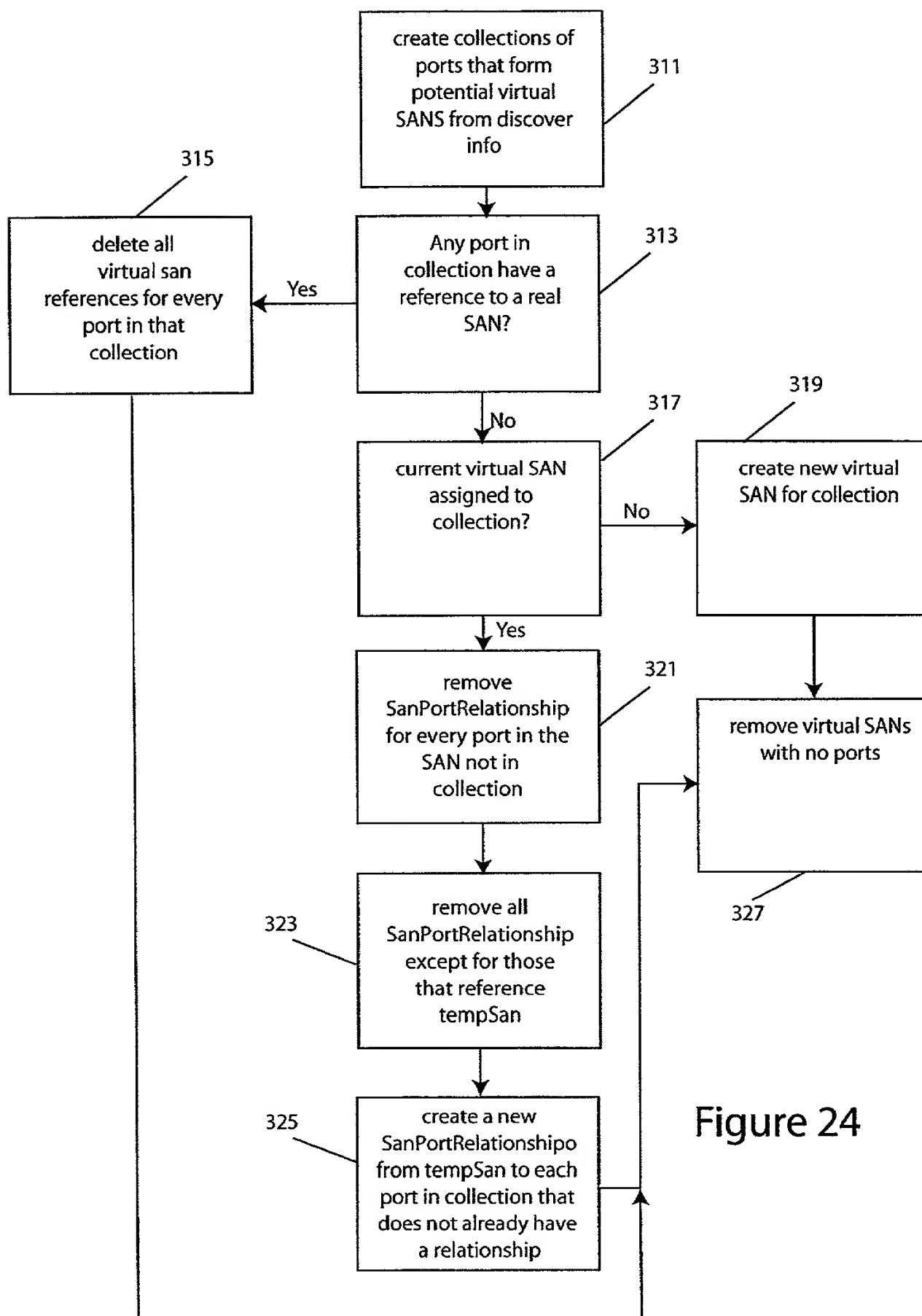


Figure 24

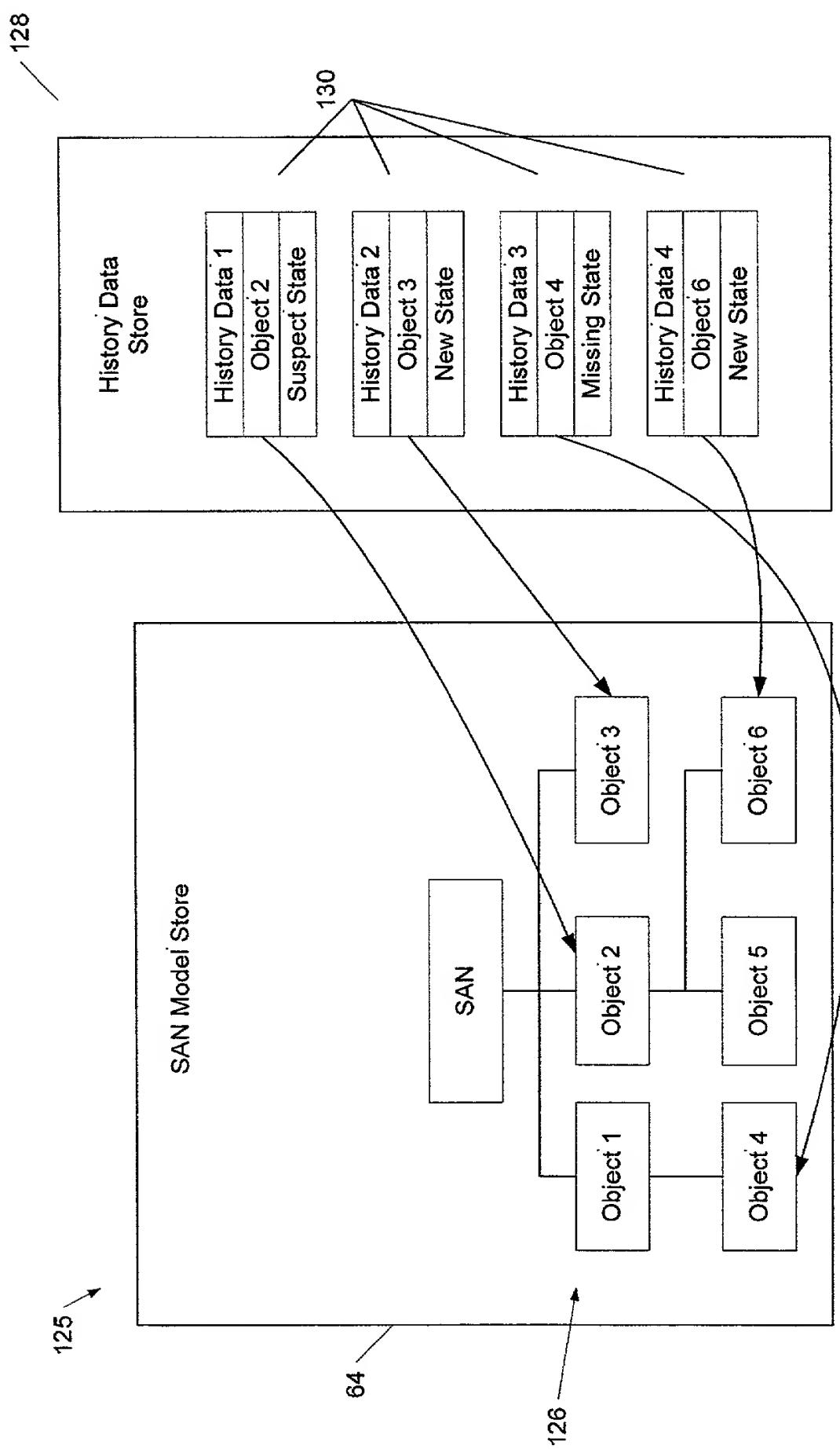


FIGURE 25

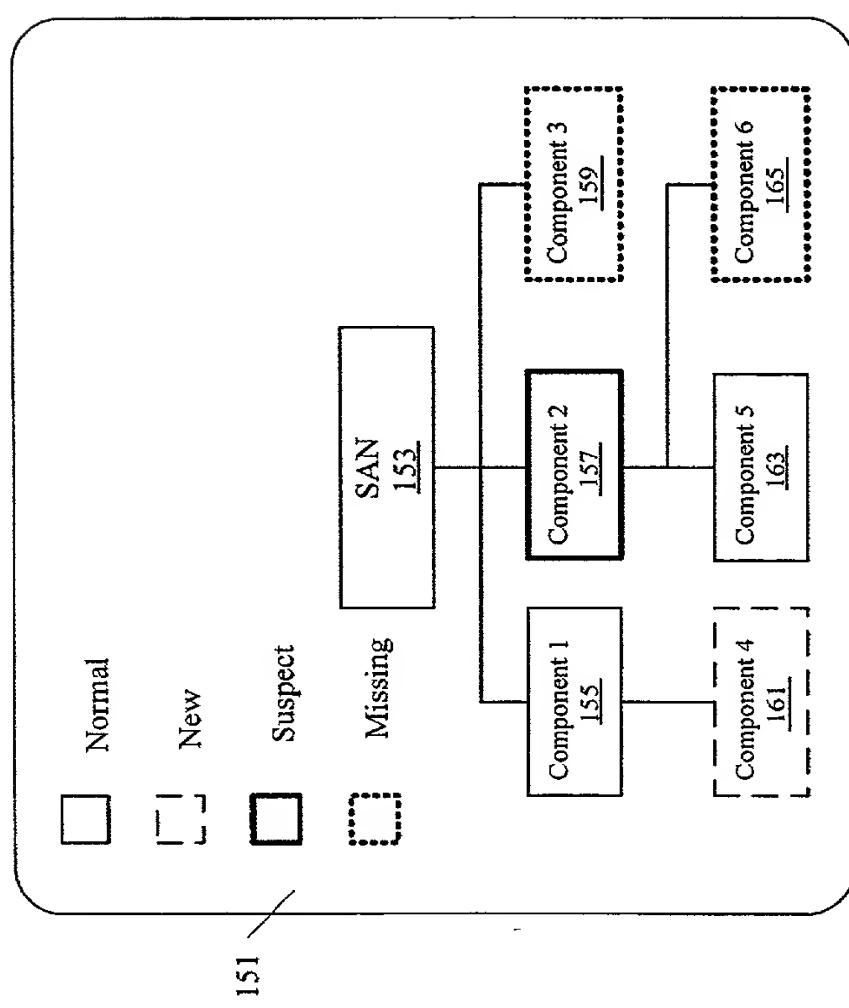


FIGURE 26

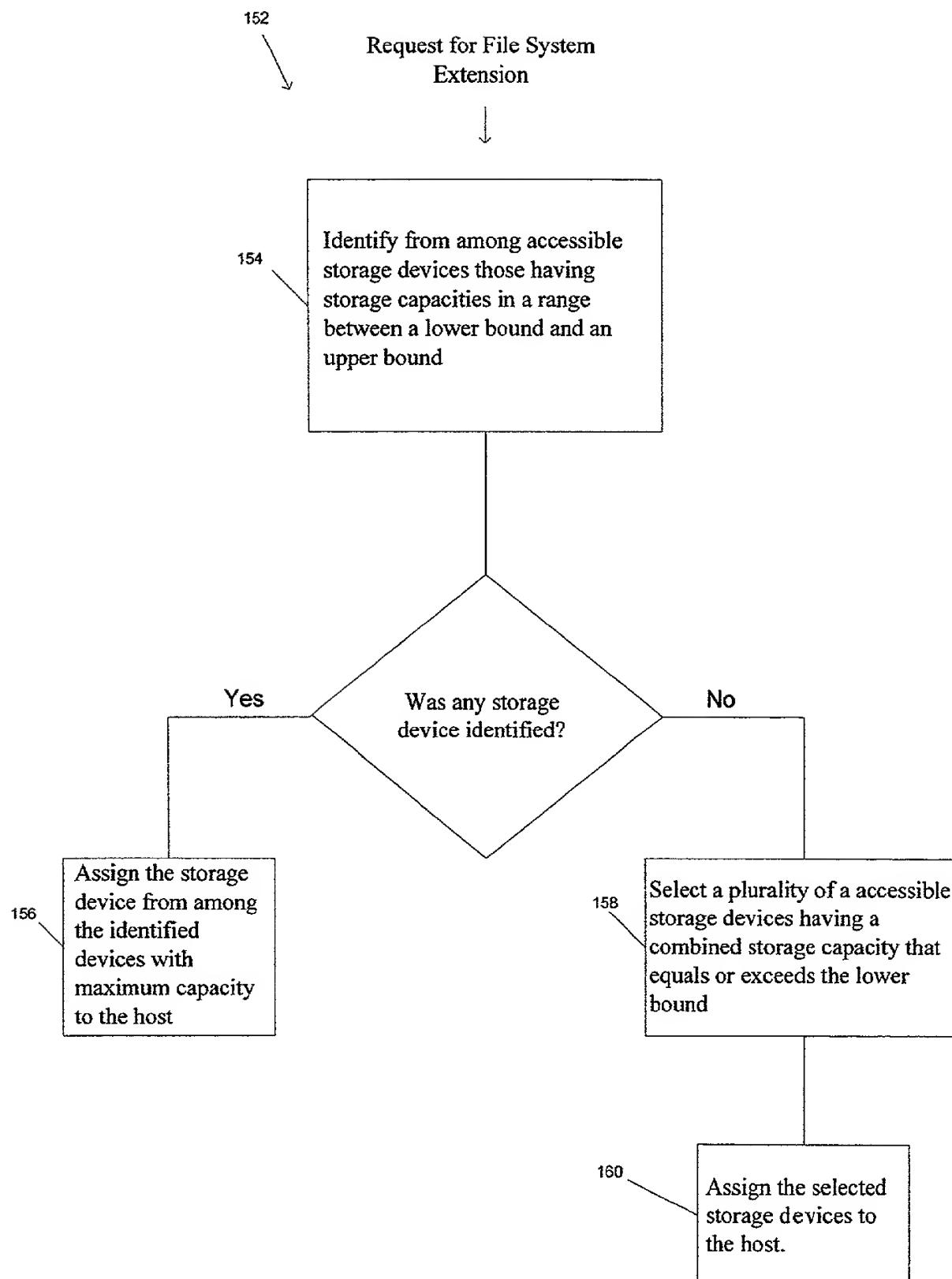


Figure 27

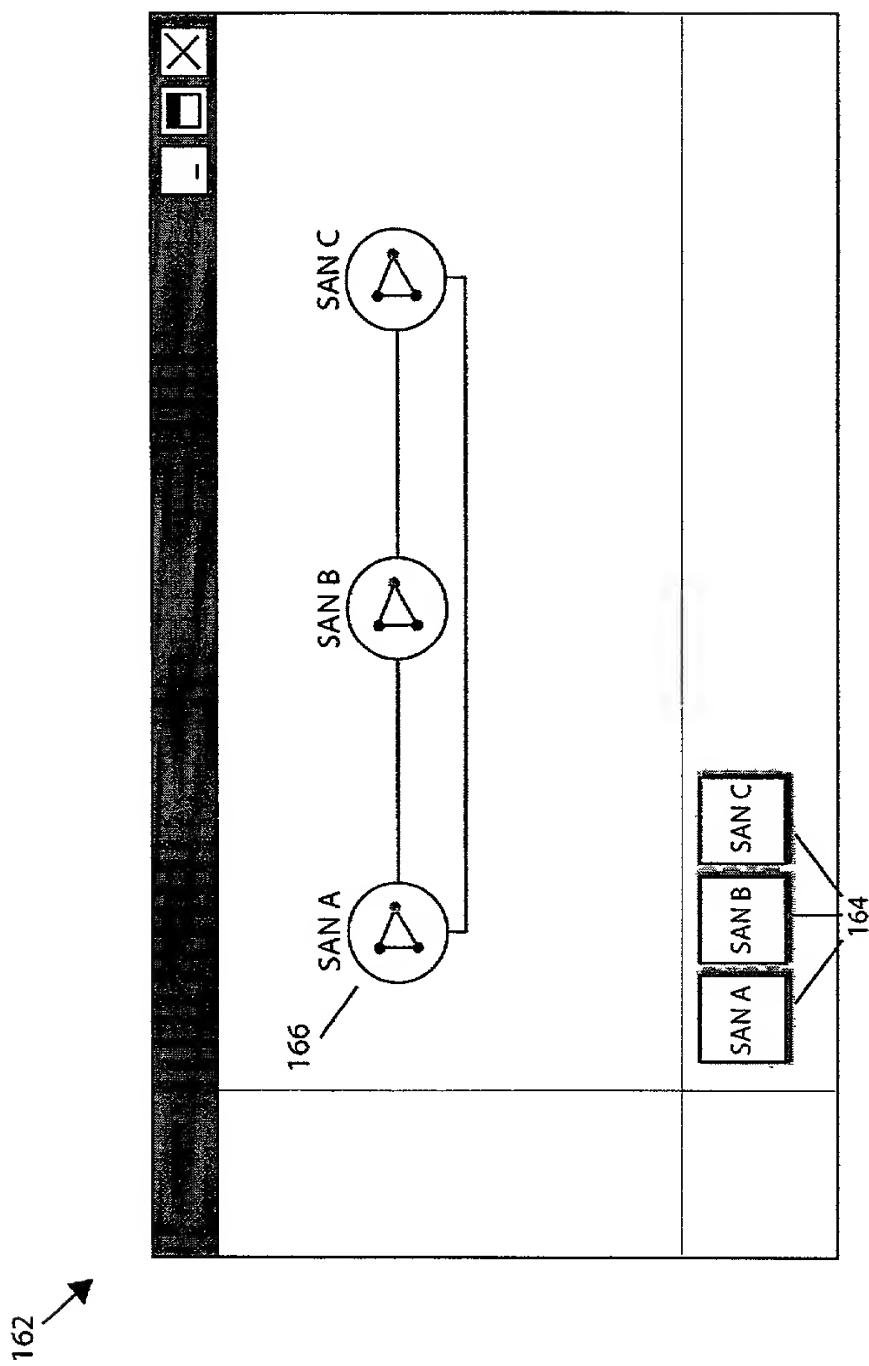


Figure 28

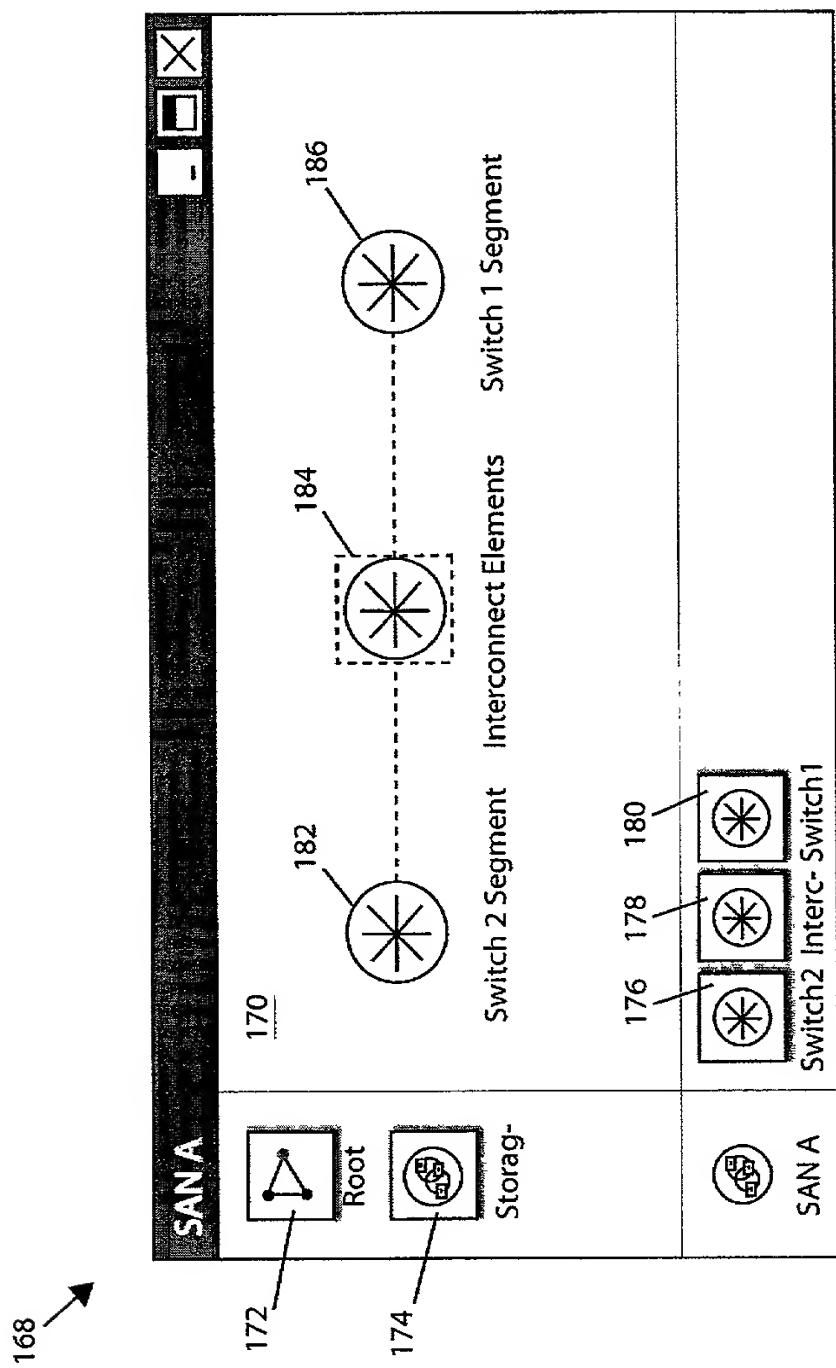


Figure 29

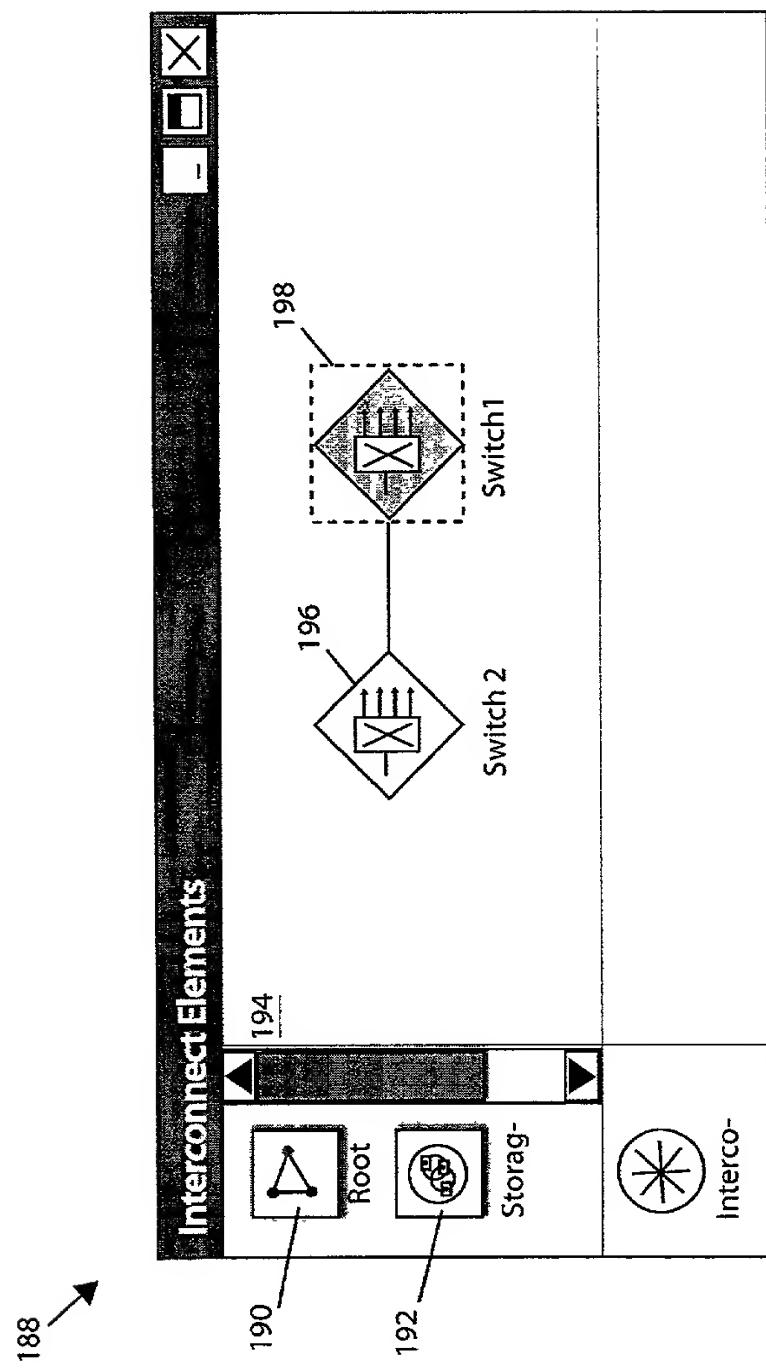


Figure 30

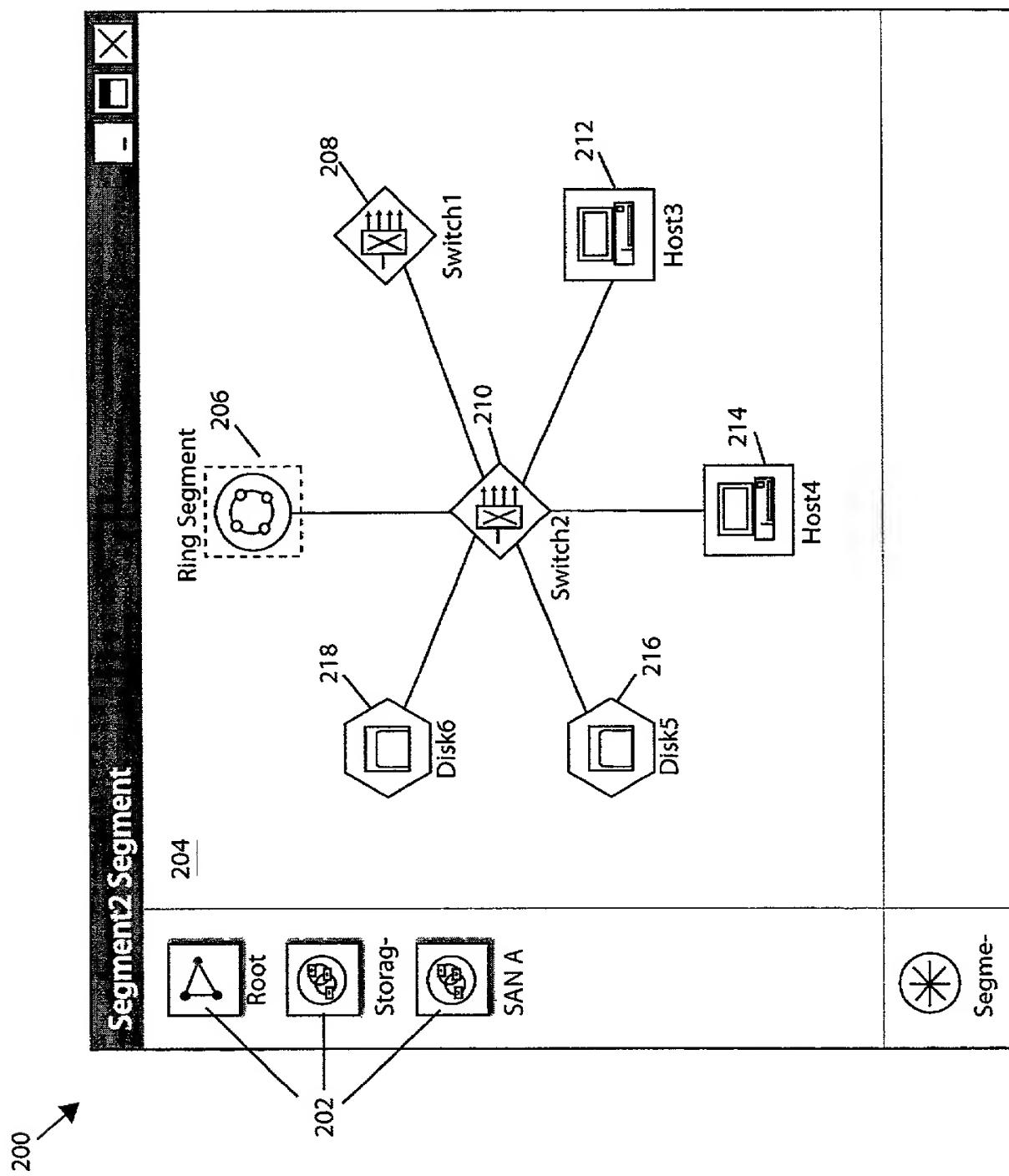


Figure 31

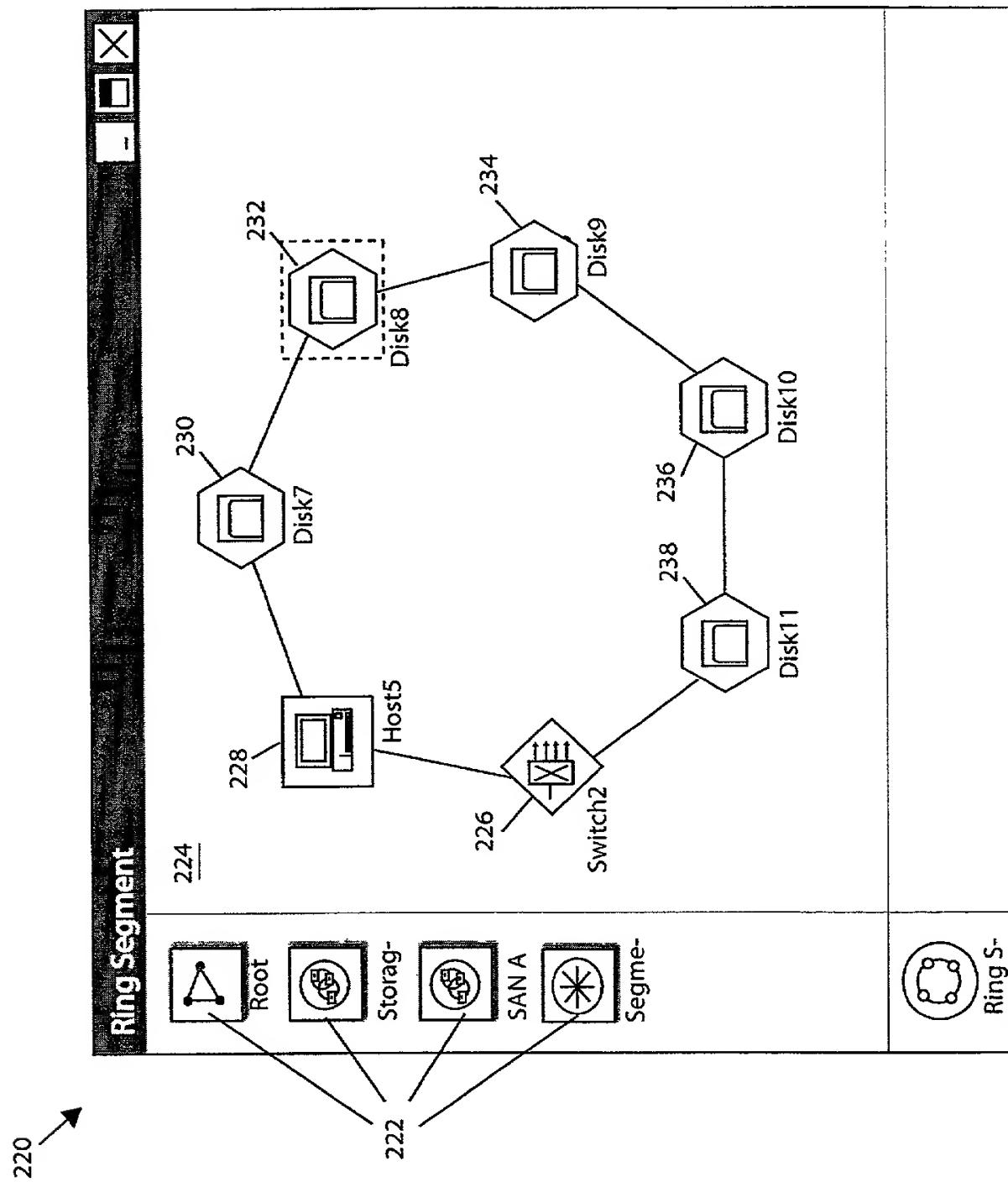
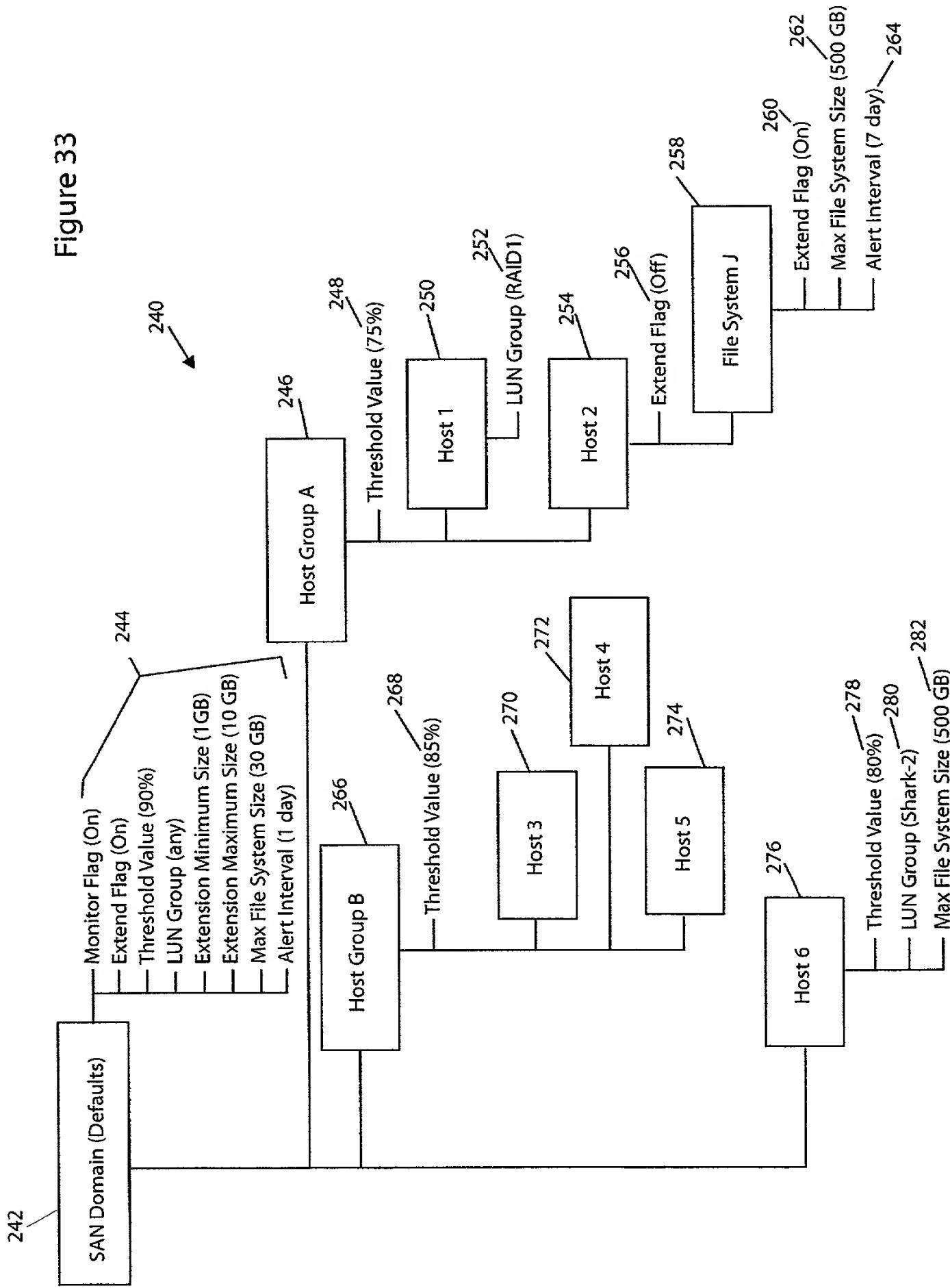


Figure 32

Figure 33



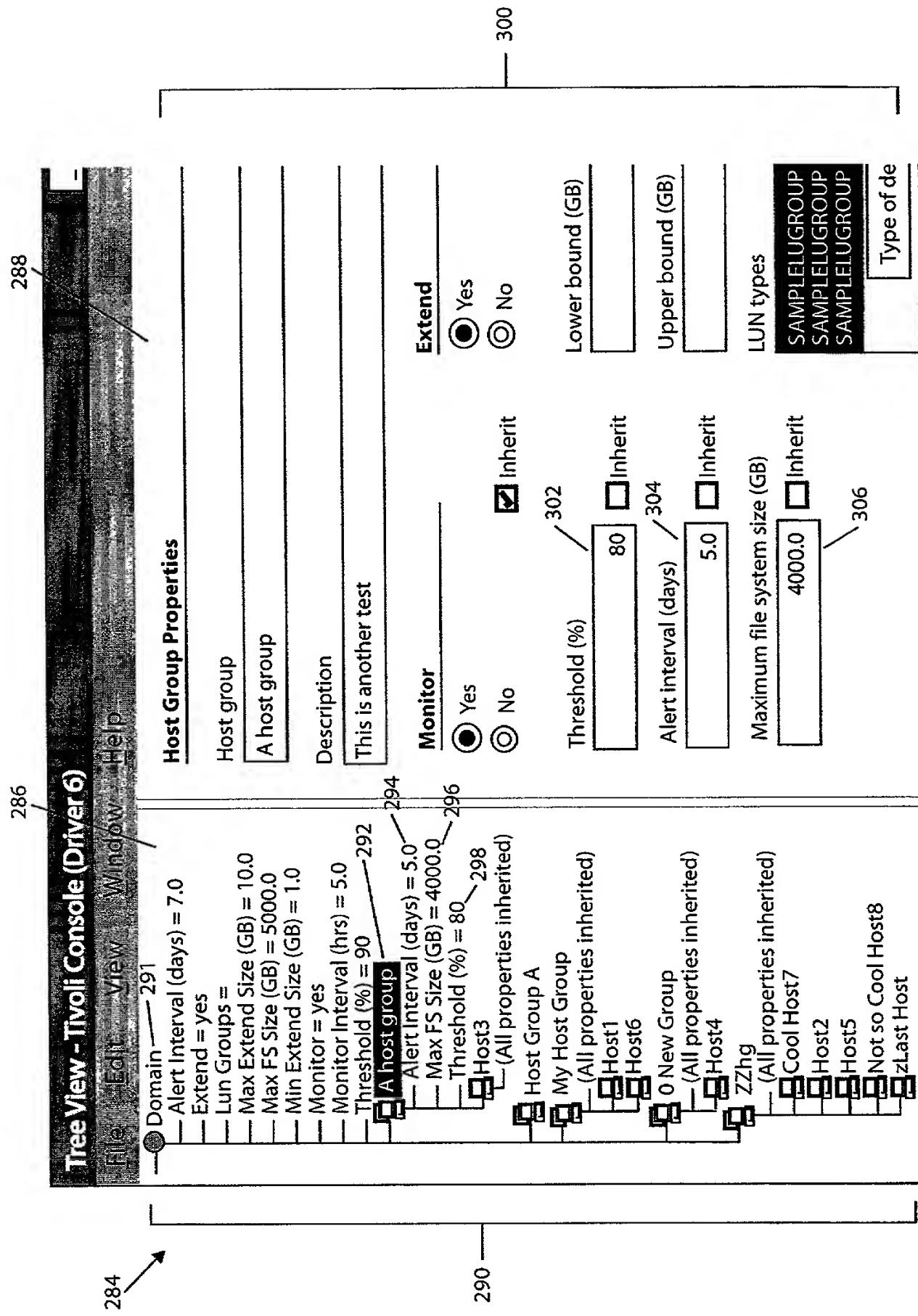
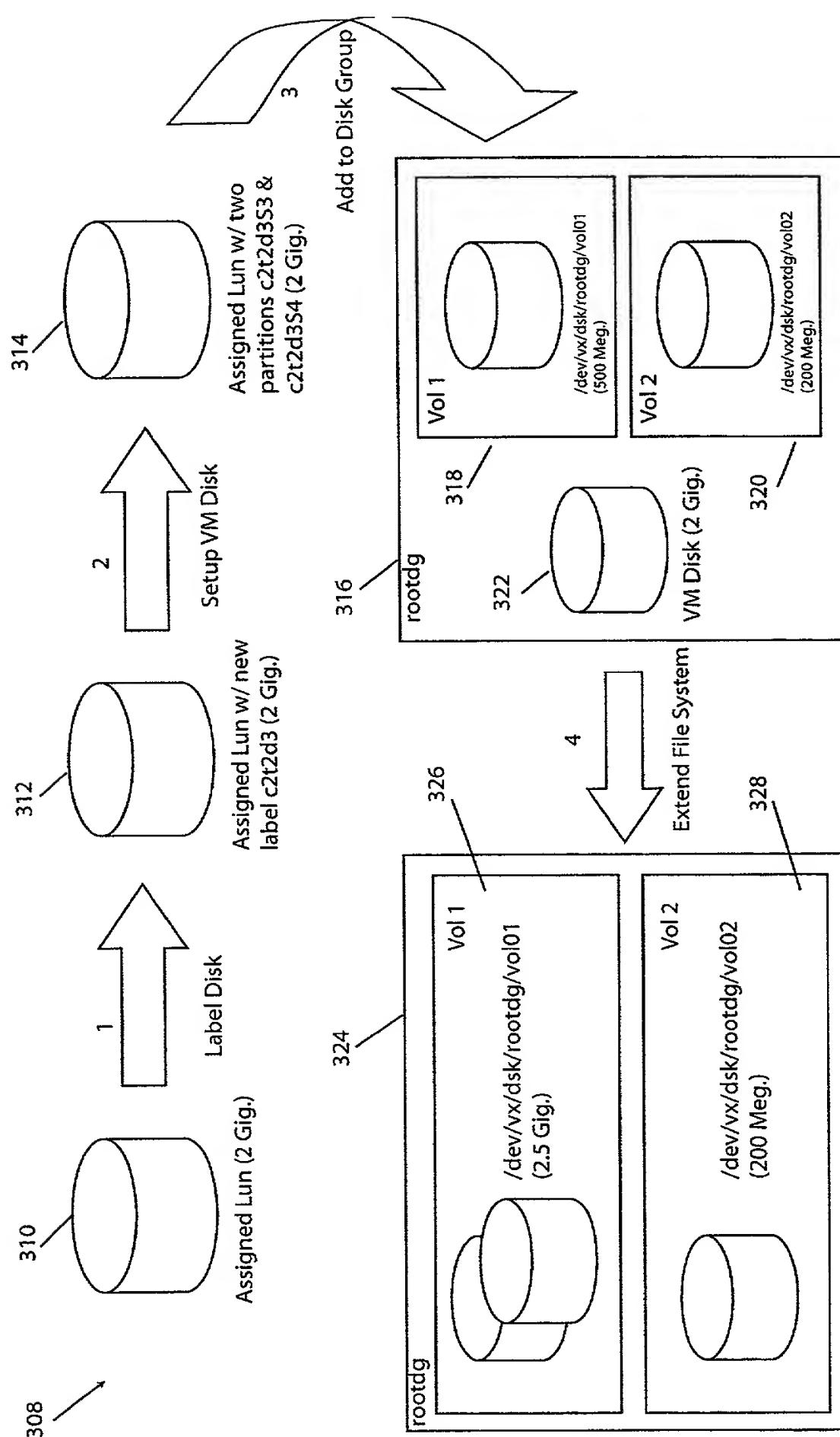


Figure 34

Figure 35



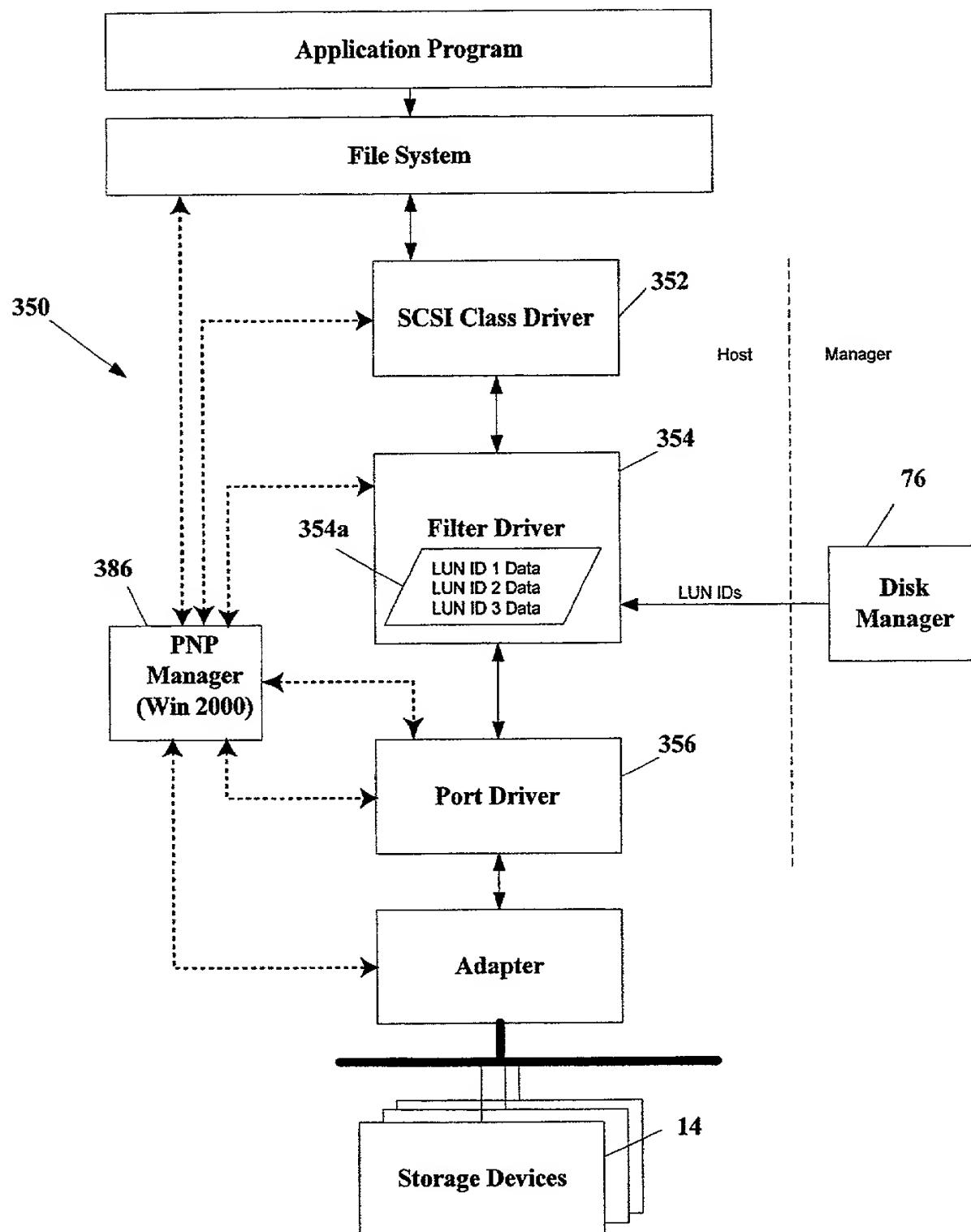
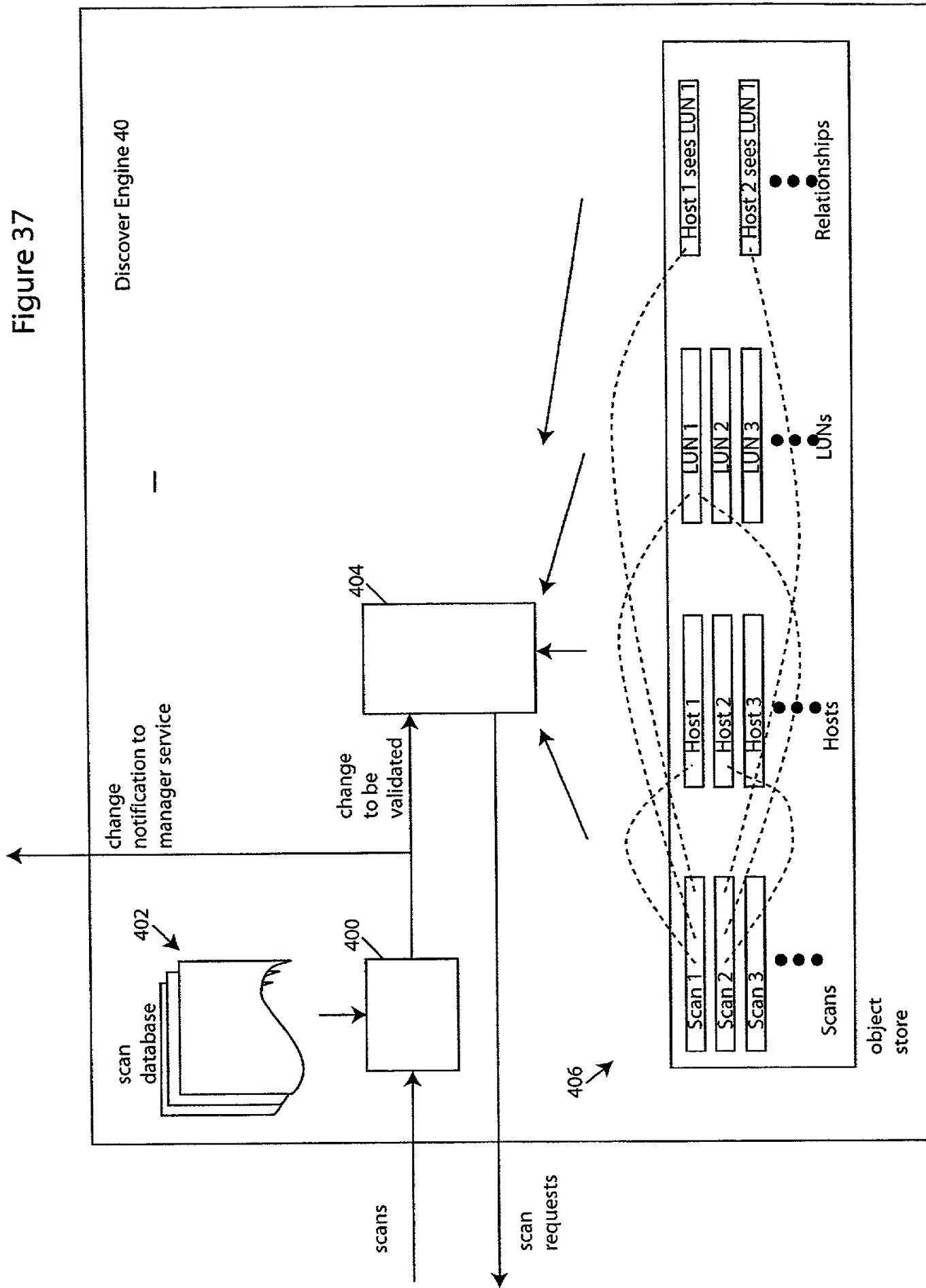


FIGURE 36

Figure 37



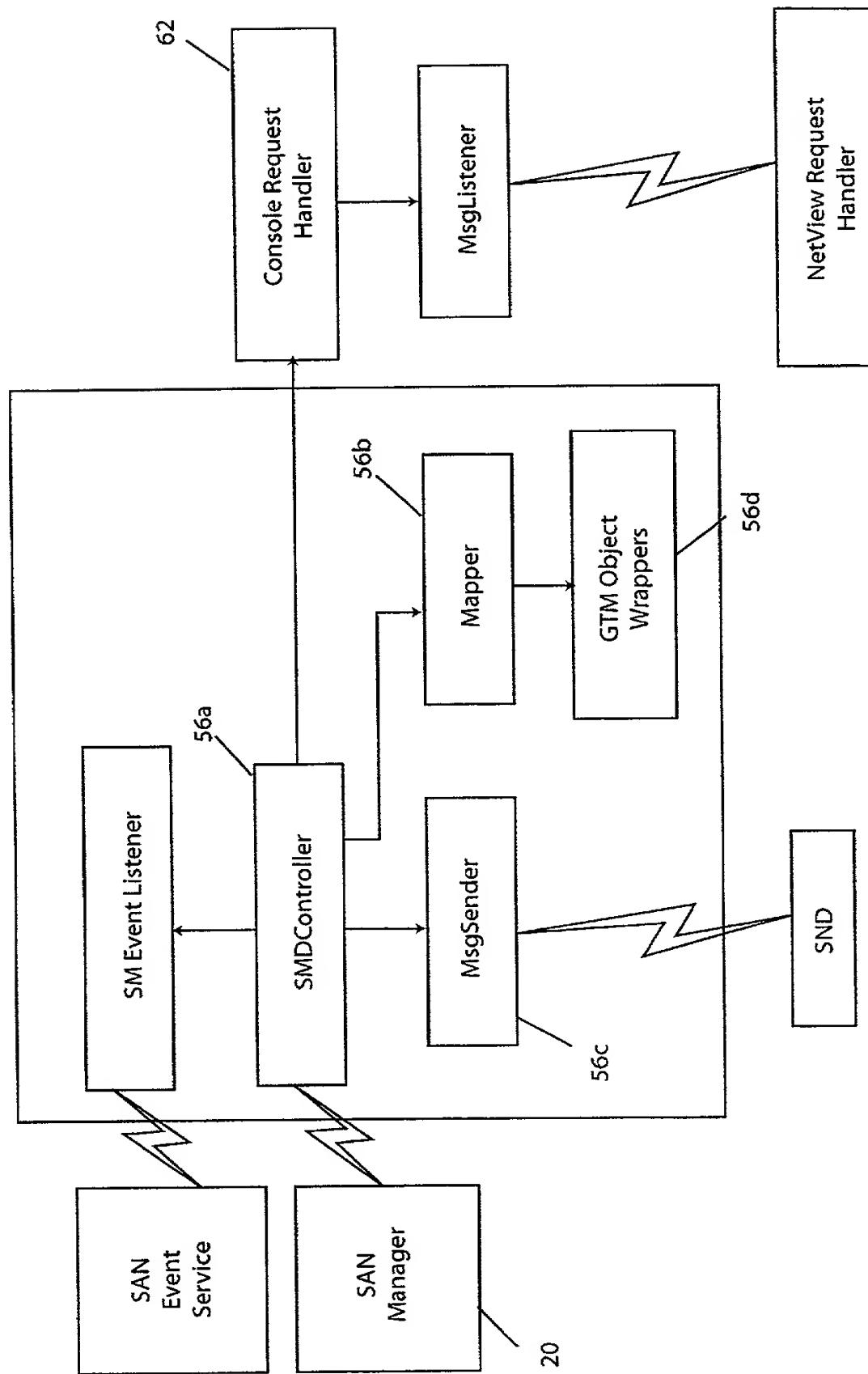


Figure 38

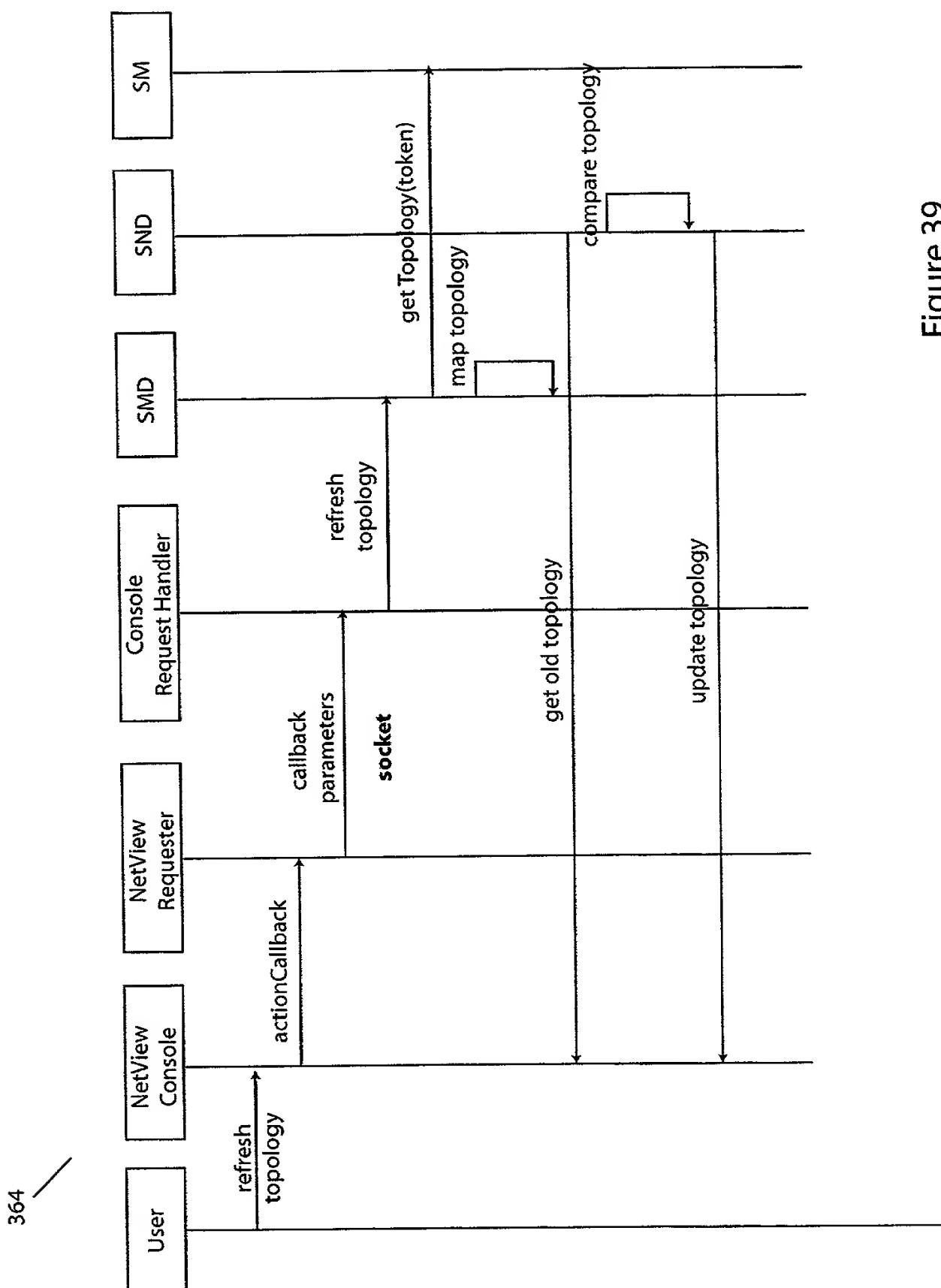
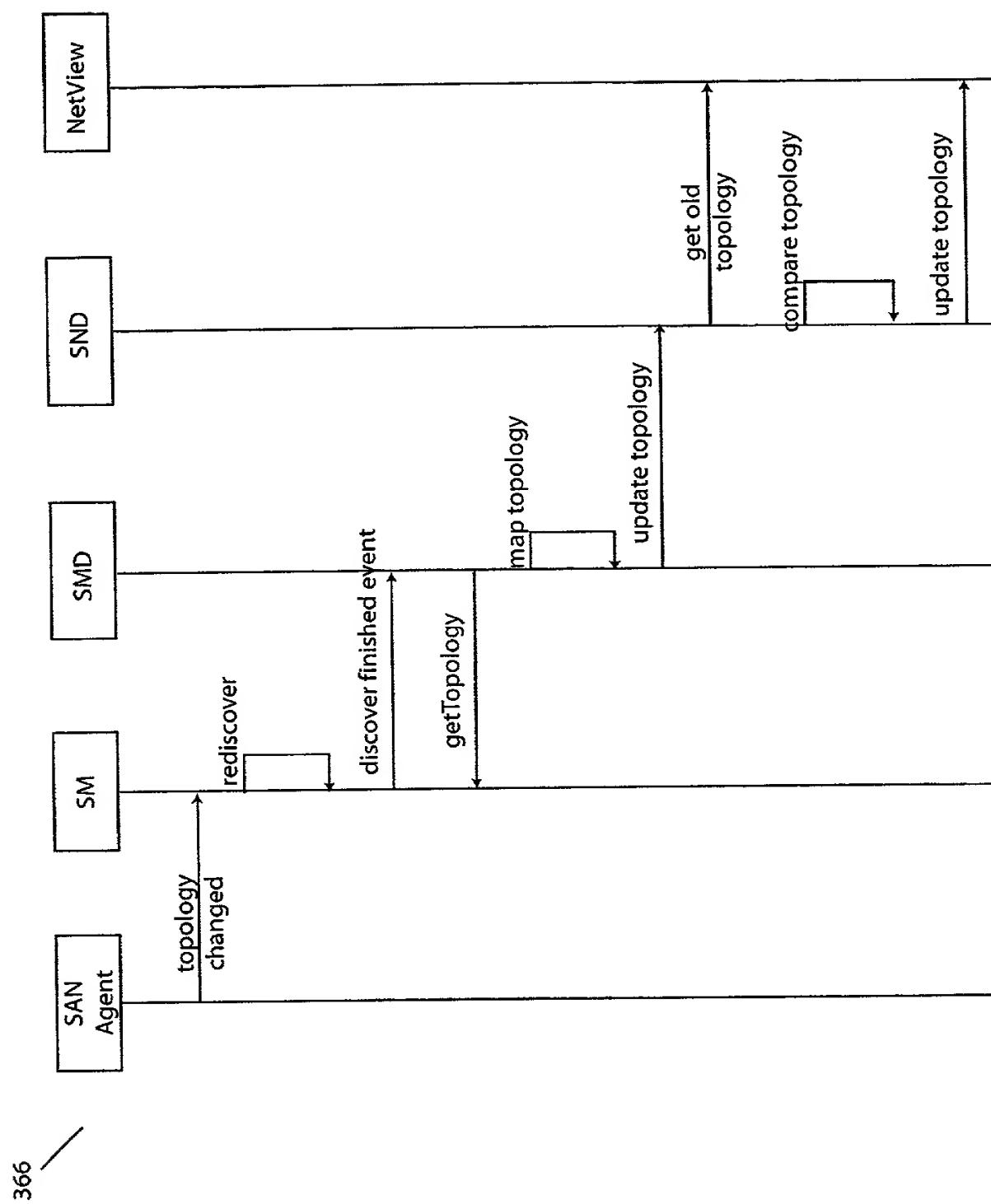


Figure 39

Figure 40



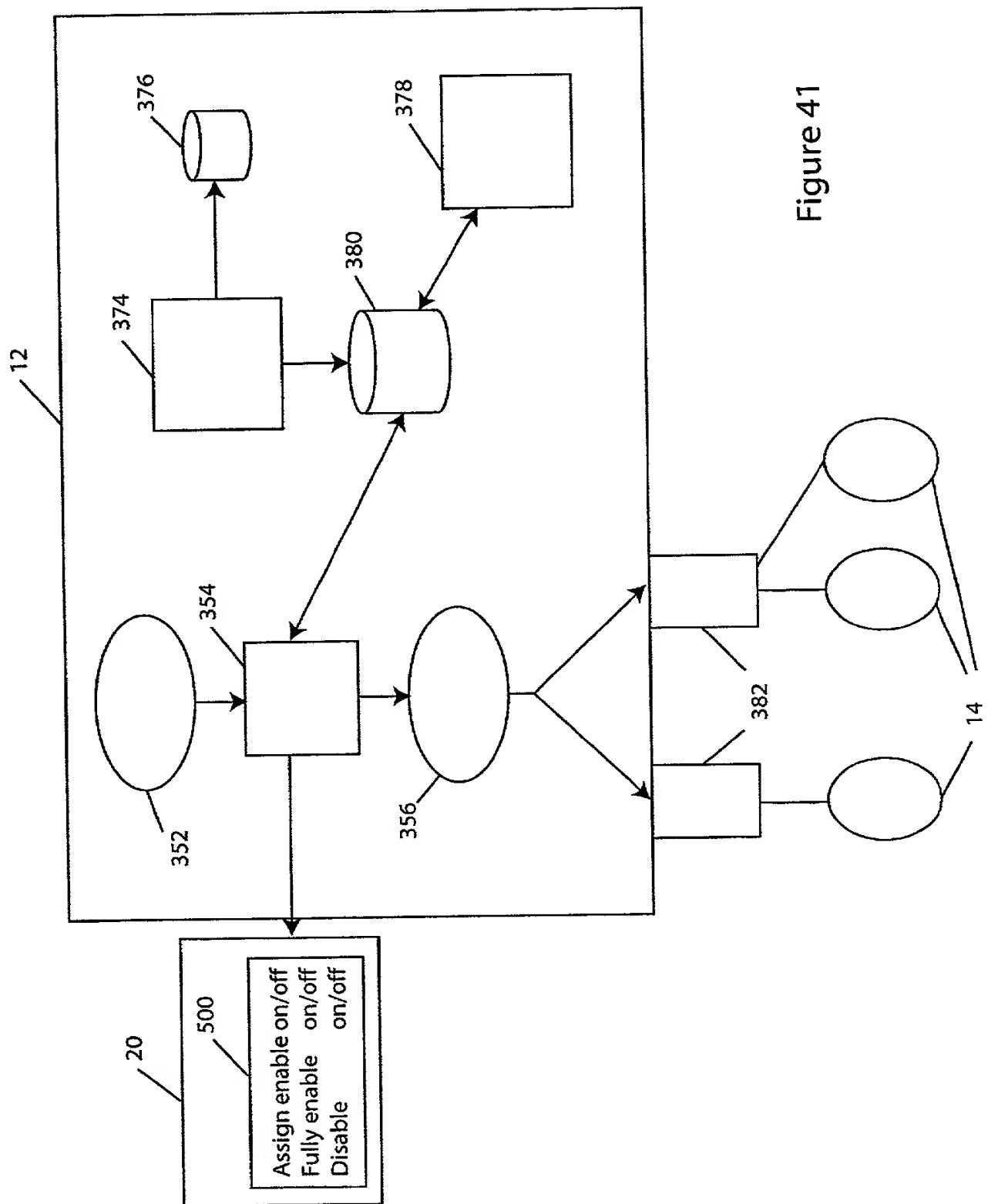


Figure 41

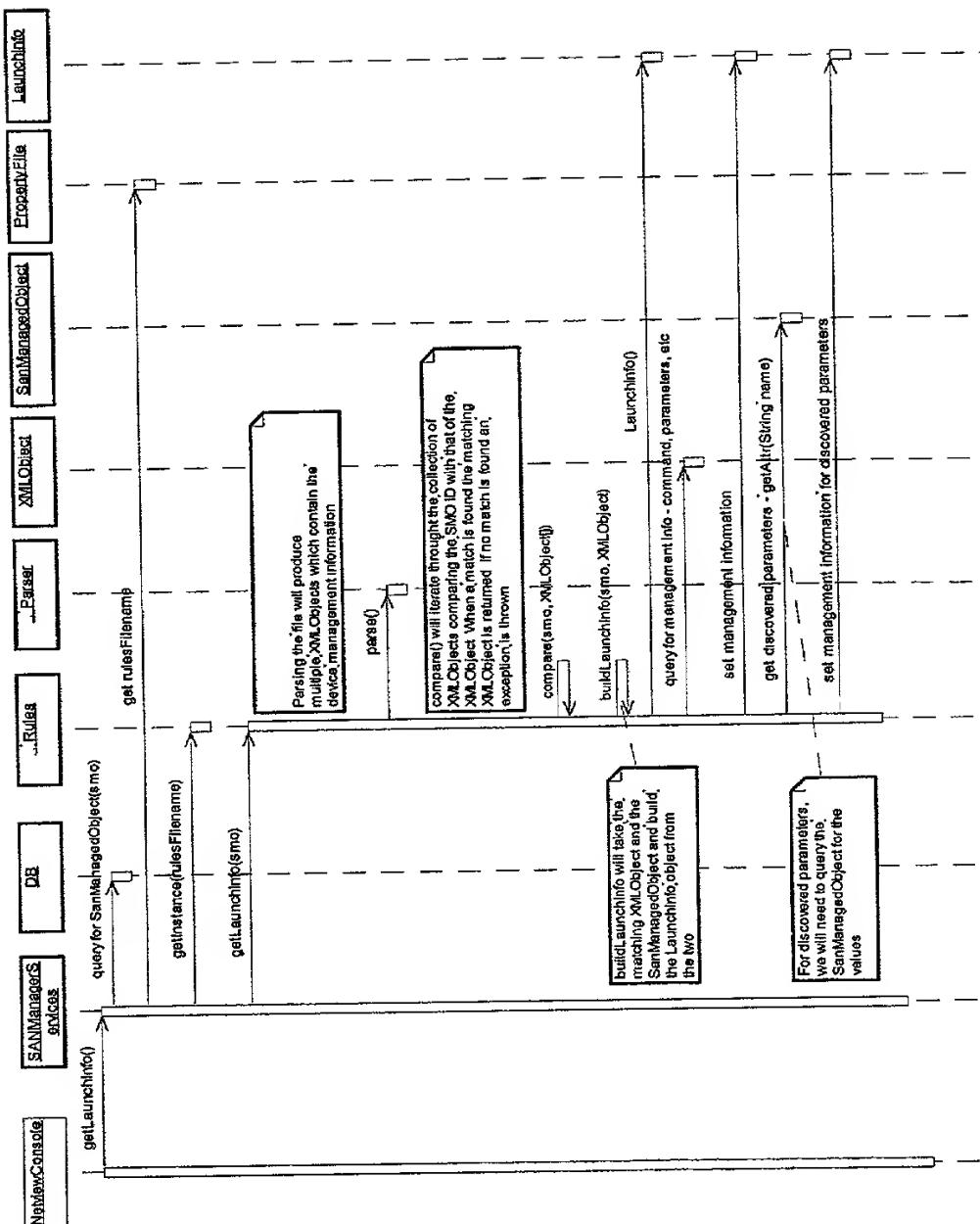


Figure 42

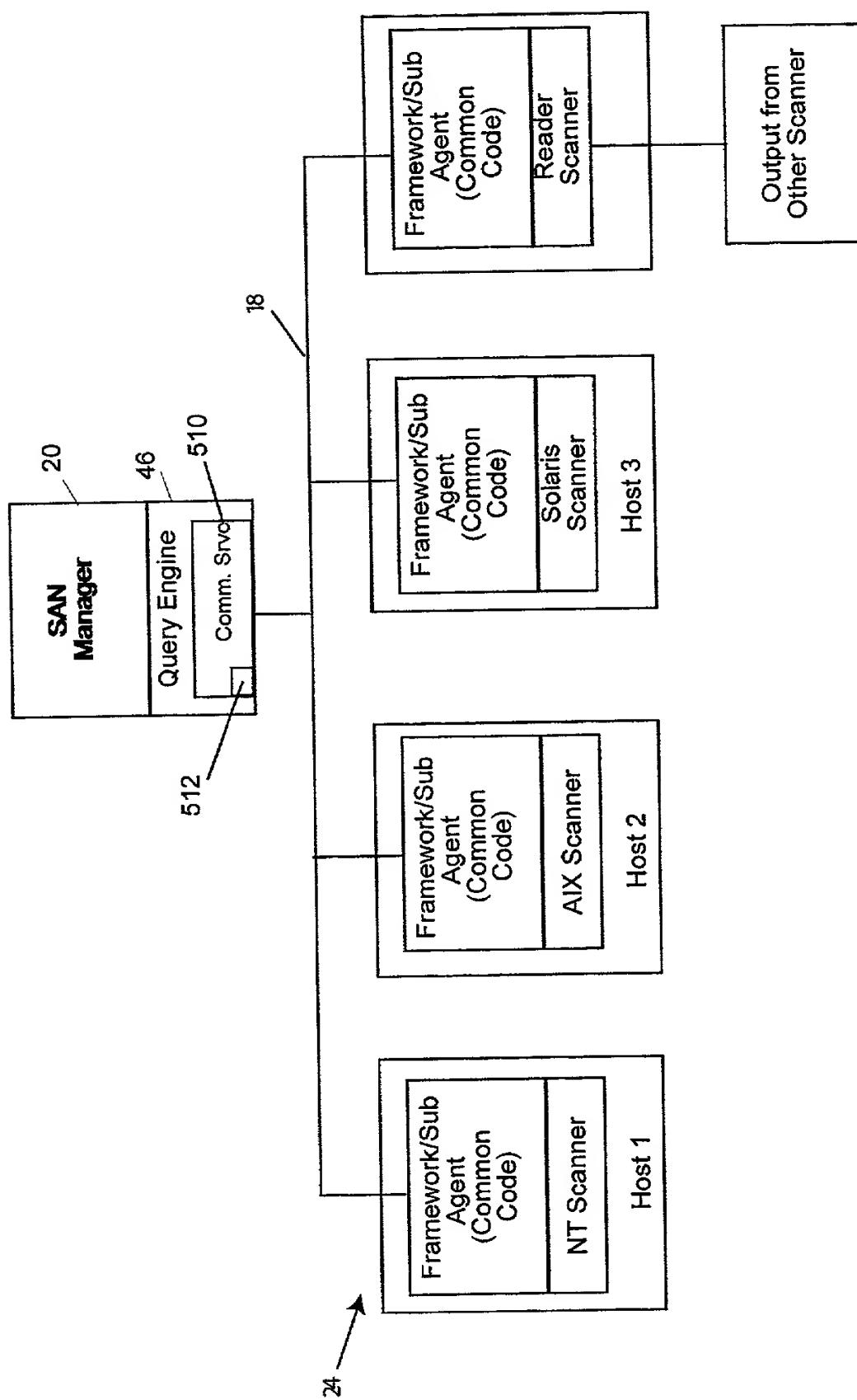


Figure 43